010398

DAILY DRILLING REPORT — REPORT NO.

Started drilling 11-16-86 } initial completion
Completed 12-1-86
April 21-27, 1987 — final completion

FIELD	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N-3E-Sec 20	55-515776	55-515772		11-16-86

OPERATOR: ENERGY Fuels — SIGNATURE OF OPERATOR'S REPRESENTATIVE

CONTRACTOR: Bob James — RIG NO. 2 — SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

FIELD OR DIST. — COUNTY — STATE

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	BRD. TO CSG. NO.	SET AT

WIRE LINE RECORD — REEL NO.
SIZE — NO. LINES — PT. SLIPPED
FT. CUT OFF — PRESENT LENGTH
TOH on, OR TRIPS SINCE LAST CUT
CUMULATIVE TOH NO. OR TRIPS

TIME DISTRIBUTION — HOURS

OPERATION	NIGHT	DAY
RIG UP AND TEAR DOWN		
DRILL ACTUAL		
REAMING		
CORING		
CIRCULATION MUD & CIRCULATE		
TRIPS		
SURVEYS		
DEPAIR RIG		
CUT OFF DRILLING LINE		
PERFORATION SURVEY		
WIRE LINE LOGS		
RUN CASING & CEMENT		
WAIT ON CEMENT		
NIPPLE UP B.O.P.		
TEST B.O.P.		
DRILL STEM TEST		
PLUG BACK		
SQUEEZE CEMENT		
FISHING		
MISC. WORK		

NO. 018399

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N SE SEC 20		55-515772		11-17-86
OPERATOR		CONTRACTOR		RIG NO.
ENERGY FUELS		ROB James		2
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

FIELD OR DIV.	COUNTY	STATE

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	13 3/8	J55	54	1	20½	2'	20

WIRE LINE RECORD REEL NO.
SIZE | NO. LINES | FT. % LINES
FT. CUT OFF | PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI OR TRIPS

TIME DISTRIBUTION – HOURS

CODE	OPERATION	NIGHT	DAY
	RIG UP AND TEAR DOWN		
	DRILL ACTUAL		
	REAMING		
	CORING		
	CONDITION MUD & CIRCULATE		
	TRIP		
	SER. RIG		
	DEVIATION SURVEY		
	CUT OFF DRILLING LINE		
	DERRICK INSPECTION		
	WIRE LINE LOGS		
	RUN CASING & CEMENT		
	WAIT ON CEMENT		
	NIPPLE UP B.O.P.		
	TEST B.O.P.		
	DRILL STEM TEST		
	PLUG BACK		
	SQUEEZE CEMENT		
	FISHING		
	DIR. WORK		

O: 018400

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N 3E SEC 20	55-515772	55-515772		11-20-86

OPERATOR
ENERGY FUELS
SIGNATURE OF OPERATOR'S REPRESENTATIVE

CONTRACTOR
BOB JAMES
SIGNATURE OF CONTRACTOR'S TOOL PUSHER

RIG NO. 2

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½		1		I.F	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

FIELD OR DIST. | COUNTY | STATE

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.		NO. JOINTS	FEET	REF. TO CSG. HD.	SET AT
	13⅜	J55	C	F	1	22.52	25.52	22

WIRE LINE RECORD REEL NO.
SIZE | NO. LINES | FT. STROKE
FT. CUT OFF | PRESENT LENGTH
TOH MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TOH MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE - OPERATION	NIGHT	DAY
RIG UP AND TEAR DOWN		
DRILL ACTUAL		12
REAMING		
CORING		
CONDITION MUD & CIRCULATE		
TRIPS		
SURV. - DEV. TEST		
CUT OFF DRILLING LINE		
SLIP AND RIG		
REPAIR RIG		
MISC. LINE LOSS		
RUN CASING & CEMENT		
WAIT ON CEMENT		
NIPPLE UP B.O.P.		
TEST B.O.P.		
DRILL STEM TEST		
PLUG BACK		
SQUEEZE CEMENT		
FISHING		
DIR. WORK		

NO. U10291

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N-3E SEC 20	SC-51STR	55-51472		11-21-86
OPERATOR: ENERGY FUELS	CONTRACTOR: Bob James			RIG NO. 2
	SIGNATURE OF CONTRACTOR'S TOOL PUSHER			

SIZE	GRADE	TOOL JT	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3½	9.50	E	4½ IF	1				

FIELD OR DIV. — COUNTY — STATE

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	REG. TO CSG. NO.	SET AT

WIRE LINE RECORD — REEL NO.
SIZE | NO. LINES | FT. CLIPPED
FT. CUT OFF | PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI OR TRIPS

TIME DISTRIBUTION — HOURS

	HOURS	DAY
DRILL ACTUAL	17	

NIGHT TOUR

NO.	DRILLING ASSEMBLY (As end of tour)		BIT RECORD			MUD RECORD			
1	BIT	10 ¾ FT.	BIT NO.	2		TIME			
			SIZE	10 ¾		WEIGHT			
	STB GAGE OD	FT.	MFG.	SMITH		PRESSURE GRADIENT	AIR		
4	DC 6¼ OD	FT.	TYPE	F2		VISC.-SEC.			
	STB GAGE OD	FT.	JETS 1/32"	0 0 0		PV/YP	/	/	/
1	DC 3½ OD	8.1 FT.	SER. NO.	EW2296		GELS	/	/	/
	STB GAGE OD	FT.	DEPTH OUT			WL -CC's			
	BHA	24.91	DEPTH IN	20		pH			
			TOTAL FTG.			SOLIDS %			
			TOTAL HRS. RUN						
	STANDS OF	30 FT.	COND. 1/2° T. D. GAGE			MUD & CHEMICALS ADDED			
	SINGLES OF	30 FT.	SPM PS-PSI	/	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

REMARKS

DRILLER Rosario Ramos

FOOTAGE FROM	FOOTAGE TO	DR. D RM. R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 LBS.	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. SPM	PUMP NO. LINER SIZE	PUMP NO. SPM	METHOD RUN
730	970				60	22	AIR					ROTARY CORE

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
746	¾							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:40			DEV 746 ¾
8:40	4:00		2	DRILLING

DAY TOUR

NO.	DRILLING ASSEMBLY (As end of tour)		BIT RECORD			MUD RECORD			
1	BIT	10 ¾ FT.	BIT NO.	2		TIME			
			SIZE	10 ¾		WEIGHT			
	STB GAGE OD	FT.	MFG.	SMITH		PRESSURE GRADIENT	AIR		
6	DC 6¼ OD	FT.	TYPE	F2		VISC.-SEC.			
	STB GAGE OD	8.1 FT.	JETS 1/32"	0 0 0		PV/YP	/	/	/
1	DC 3½ OD	FT.	SER. NO.	EW 3058		GELS	/	/	/
	STB GAGE OD	FT.	DEPTH OUT			WL -CC's			
	BHA	24.91	DEPTH IN	20		pH			
			TOTAL FTG.			SOLIDS %			
			TOTAL HRS. RUN						
	STANDS OF	30 FT.	COND. 1/2° T. D. GAGE			MUD & CHEMICALS ADDED			
	SINGLES OF	30 FT.	SPM PS-PSI	/	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

REMARKS

FOOTAGE FROM	FOOTAGE TO	DR. D RM. R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 LBS.	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. SPM	PUMP NO. LINER SIZE	PUMP NO. SPM	METHOD RUN
970	HPS 1190											ROTARY CORE

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:00	12	8	Drilling Water 1110

O. 010298

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N 8E 20	55-31574	55-515772		11-22-86
OPERATOR: NSRC Eagle		CONTRACTOR: Bob James		RIG NO. 2
SIGNATURE OF REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Robert A James		

O.D. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3 1/2	9.50	E	4 3/4	XH	1	AIR			

FIELD OR DIST.	COUNTY	STATE

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	DEPTH TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	13 3/8	J55	64	1	2250		20'

WIRE LINE RECORD REEL NO.
SIZE | NO. LINES | FT. SLIPPED
FT. CUT OFF | PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

	HOURS	CODE
DRILL ACTUAL		
REAMING		
CORING		
CONDITION MUD & CIRCULATE		
TRIP		
SURVEY		
WAIT ON CEMENT		
CUT OFF DRILLING LINE		
DEVIATION SURVEY		
WIRE LINE LOGS		
RUN CASING & CEMENT		
WAIT ON CEMENT		
NIPPLE UP B.O.P.		
TEST B.O.P.		
DRILL STEM TEST		
PLUG BACK		
SQUEEZE CEMENT		
FISHING		
OTHER		
A. PERFORATE		
B. TOO TRIPS		
C. TESTING		
D. ABORTED		
E.		
		12
DAILY HOURS THIS REPORT (TOTAL MUST BE 24)		
CUM. D.P.		
CUM. D.C.		
CUM. BIT		
CUM. DAYS		
TOTAL DAY HOURS		

NIGHT TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	10 6/8	FT.
	STD DC		FT.
6	DC 6 5/8	GN	FT.
1	STD DC	80'	FT.
	DC		FT.
	STD DC		FT.
	BHA	248.91	
	STABILIZER	30	FT.
	STABILIZER	30	FT.
	KELLY DRIVE		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	2
SIZE	10 5/8
MFG.	Smith
TYPE	F2
JETS 1/32"	0 0 0
SER. NO.	FW3258
DEPTH OUT	
DEPTH IN	20
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T.D. GAGE	/ /
GPM PD-PSI	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT	AIR		
VISC.-SEC.	/	/	/
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REMARKS

DRILLER Robert Eagle

FOOTAGE

FROM	TO	DR. D Rm.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
1155	1277				60	20	AIR					Rotary
1190												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
1193	5 1/4							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:30			DRILLING
8:30	9:00			DEV 5 1/4 - 1193
9:00	4:00			DRILLING
4:00	4:15			C I R
4:15	8:00			P O H

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	10 5/8	FT.
	STD DC		FT.
6	DC 6 5/8		FT.
1	STD DC	301	FT.
	DC		FT.
	STD DC		FT.
	BHA	248.91	
	STABILIZER	30	FT.
	STABILIZER	30	FT.
	KELLY DRIVE		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	3
SIZE	10 5/8
MFG.	Smith
TYPE	F2
JETS 1/32"	0 0 0
SER. NO.	FW3258
DEPTH OUT	
DEPTH IN	30
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T.D. GAGE	/ /
GPM PD-PSI	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT	AIR	200 PSI	
VISC.-SEC.	/	/	/
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REMARKS

FOOTAGE

FROM	TO	DR. D Rm.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
1277	1383											Rotary

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	9:30	1 1/2	6	RIH / Blowing Hole
9:30	8:00	10 1/2	0	Drilling

C. 010699

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N 3E SEC 20	55-515772	55-515772		11-23-96

OPERATOR: Energy Fuels — SIGNATURE OF OPERATOR'S REPRESENTATIVE

CONTRACTOR: Bob James — RIG NO. 2

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Robert A Jones

SIZE	MAKE	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
2¼	4-59	8	3½	9½IF	1	AIR		

FIELD OR DIST. — COUNTY — STATE: ARIZONA

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	GRD. TO CSG. NO.	SET AT
	13⅜	J55	64	E	1	2250	20

WIRE LINE RECORD — REEL NO. — SIZE — NO. LINES — FT. STRIPPED — FT. CUT OFF — PRESENT LENGTH — TOH MI. OR TRIPS SINCE LAST CUT — CUMULATIVE TOH MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE	OPERATION	HOURS	DAY
	RIG UP AND TEAR DOWN		
	DRILL ACTIVE		9½
	REAMING		
	CORING		
	CONDITION MUD & CIRCULATE		½
	TRIP		2
	SURVEY		
	WAIT ON CEMENT		
	NIPPLE UP B.O.P.		
	TEST B.O.P.		
	DRILL STEM TEST		
	PLUG BACK		
	SQUEEZE CEMENT		
	FISHING		
	DIRECTIONAL WORK		

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N 6EC 20.	55-515772	55-515772		11-24-84

OPERATOR: Energy Exels

CONTRACTOR: Bob James — RIG NO. 2

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Robert A James

SIZE	STROKE	LINER	VOL. PER STK.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
7 3/4	5-50	5	4.32	3 1/2 IF	1				

FIELD OR DIST. — COUNTY — STATE: ARIZONA

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.		NO. JOINTS	FEET	RIG TO CSG. HD.	SET AT
	13 3/4	J55	54	E	1			

WIRE LINE RECORD — REEL NO.
SIZE | NO. LINES | FT. STRUNG
FT. CUT OFF | PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI OR TRIPS

TIME DISTRIBUTION — HOURS	HOURS	CODE
RIG UP AND TEAR DOWN		
DRILL ACTUAL	18	8 & 12
REAMING		
CORING		
CIRCULATE & CONDITION MUD		
TRIPS		
SURVEYS		
CUT OFF DRILLING LINE		
SLIP AND CUT DRILLING LINE		
WIRE LINE LOGS		
PLUG BACK/SQUEEZE		
WAIT ON CEMENT		
NIPPLE UP B.O.P.		
TEST B.O.P.		
DRILL STEM TEST		
PLUG BACK		
SQUEEZE CEMENT		
FISHING		
DIRECTIONAL WORK		
A. PERFORATE		
B. TRIP TANKS		
C. REAMING		
D. TESTING		
E. ADDITIVE		
F.		
	18	12
DAY WORK PER CONTRACT (OFFICE USE ONLY)		
G. CEMENT B.O.		
H. CEMENT B.P.		
I. NO. TRIP		
J. STANDBY		
TOTAL DAY HOURS	24	

NIGHT TOUR

NO.	DRILLING ASSEMBLY (do not list wt)		BIT RECORD		MUD RECORD				
	OFF	10 3/4 FT.	BIT NO.	3	TIME				
			SIZE	10 5/8	WEIGHT				
	STB RMR OD	FT.	MFG.	SMITH	PRESSURE GRADIENT	200	FST		
8	D.C. 6 1/4 OD	FT.	TYPE	FH	VISC. -SEC.				
1	STB RMR OD	6.1 FT.	JETS 1/32"	0 0 0	PV/YP	/	/	/	
	D.C. OD	FT.	SER. NO.	CL6424	GELS	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S				
	BHA	248.91	DEPTH IN	1503	pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN			MIST			
	STANDS OF	30 FT.	COND. 1/32" T.D. GAGE		MUD & CHEMICALS ADDED				
	SINGLES OF	30 FT.	GPM PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.	
	DRILL COLLAR	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

REMARKS

DRILLER: Rosario Esparza

FOOTAGE FROM	FOOTAGE TO	DRL'D RM'D CORE'D	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT M000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
1503	1595				60	20						Rot. 1 Conv. 2

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	2:30	6 1/2	3	REAMING
2:30	8:00	5 1/2	2	DRILLING

DAY TOUR

NO.	DRILLING ASSEMBLY (do not list wt)		BIT RECORD		MUD RECORD				
	OFF	10 5/8 FT.	BIT NO.	3	TIME				
			SIZE	10 5/8	WEIGHT				
	STB RMR OD	FT.	MFG.	SMITH	PRESSURE GRADIENT	AIR			
8	D.C. 6 1/4 OD	FT.	TYPE	FH	VISC. -SEC.				
1	STB RMR OD	8.1 FT.	JETS 1/32"	0 0 0	PV/YP	/	/	/	
	D.C. OD	FT.	SER. NO.	CL6424	GELS	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S				
	BHA	248.91	DEPTH IN	1503	pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS OF	30 FT.	COND. 1/32" T.D. GAGE		MUD & CHEMICALS ADDED				
	SINGLES OF	30 FT.	GPM PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.	
	DRILL COLLAR	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

REMARKS

FOOTAGE FROM	FOOTAGE TO	DRL'D RM'D CORE'D	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT M000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
1595	1795											Rot. 1 Conv. 2

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:00	12	8	Drilling

10. 010191

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N sec 20	55-515770	55-515772		11-25-86

OPERATOR: Energy Fuels

CONTRACTOR: Bob James RIG NO. 2

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Robert A James

NO. HOLE	GAUGE	FROM	TO	TOTAL FT. DRLD	TYPE SHANK	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3/4						1	3- 850 Cumpressions 1 Duy Booster			

FIELD OR DIST. COUNTY STATE Arizona

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.		NO. JOINTS	FEET	REG. TO CSG. HD.	SET AT
	8 5/8	J55	24	E	1			

WIRE LINE RECORD REEL NO.
SIZE NO. LINES FT. STRIPED
FT. CUT OFF PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI OR TRIPS

TIME DISTRIBUTION — HOURS

	NIGHT	DAY
DRILL ACTUAL	12	12
CUT OFF DRILLING LINE	1	
TRIP IN OR OUT	11	
TEST B.O.P.	1	
DRILL OVER TIGHT	1	
CIRC. & CONDITION	1	
SURVEY	1	
REAM	1	
WAIT ON CEMENT	1	
SHUT DOWN	1	
REPAIR RIG	1	
TEST CASG.	1	
DRILL OVER TIGHT	1	
FILL CASG.	1	
WIRELESS SURVEY	1	
FISHING	1	
DRL. WORK	1	
	12	12

NIGHT TOUR

DRILLING ASSEMBLY (do end of tour)

NO.			
	BIT	10 5/8	FT.
	STB		FT.
4	DC 6 1/4		FT.
1	STB	8.1	FT.
	DC		FT.
	STB		FT.
	BHA	246.91	
	STANDS DP	30	FT.
	SINGLES DP	30	FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	3
SIZE	10 5/8
MFG.	SMITH
TYPE	F4
JETS 1/32"	0 0 0
SER. NO.	516422
DEPTH OUT	
DEPTH IN	1503
TOTAL FTG.	
TOTAL HRS. ROT.	
COND. 1/8" T. B. GAGE	
GPM PD-PSI	/ /

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	200 PSI
VISC.-SEC	
PV/YP	/ / /
GELS	/ / /
WL -CC'S	
pH	
SOLIDS %	MIST

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REMARKS

DRILLER Rosalio Enriquez

FOOTAGE FROM	FOOTAGE TO	DR. D RR. D CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD DRLG
1795	1962				60	20						Rotary

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:00	12	2	DRILLING

DAY TOUR

DRILLING ASSEMBLY (do end of tour)

NO.			
	BIT	10 5/8	FT.
	STB		FT.
4	DC 6 1/4		FT.
1	STB	6.1	FT.
	DC		FT.
	STB		FT.
	BHA	246.91	
	STANDS DP	30	FT.
	SINGLES DP	30	FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	3
SIZE	10 5/8
MFG.	SMITH
TYPE	F4
JETS 1/32"	0 0 0
SER. NO.	
DEPTH OUT	
DEPTH IN	1503
TOTAL FTG.	
TOTAL HRS. ROT.	
COND. 1/8" T. B. GAGE	
GPM PD-PSI	/ /

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	MIR 200 PSI
VISC.-SEC	
PV/YP	/ / /
GELS	/ / /
WL -CC'S	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REMARKS

ATD 1503'

FOOTAGE FROM	FOOTAGE TO	DR. D RR. D CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD DRLG
1962	2075											Rotary

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:00	12	2	Drilling

010190

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N 8EC20	555172	555172		112686

OPERATOR: ENERGY FUELS — CONTRACTOR: Bob JAMES — RIG NO. 2

SIGNATURE OF OPERATOR'S REPRESENTATIVE — SIGNATURE OF CONTRACTOR'S TOOL PUSHER

DRILL PIPE SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	9.50	E	3 7/8	XH	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3	880 COMPRESSORS		
1	GUY B JOSTER		

FIELD OR DIST. — COUNTY — STATE: ARIZONA

LAST CASING, TUBING OR LINER: SIZE 13 3/8 — MAKE JSS — WT. & GR. 64 E — NO. JOINTS 1 — FEET — DEPTH TO CSG. HD. — SET AT

WIRE LINE RECORD — REEL NO. — SIZE — NO. LINES — FT. SLIPPED — FT. CUT OFF — PRESENT LENGTH — TON MI. OR TRIPS SINCE LAST CUT — CUMULATIVE TON MI. OR TRIPS

Time Distribution – Hours

	Night	Day
RIG UP AND TEAR DOWN		
DRILL ACTUAL	7½	12
REAMING		
CIRCULATING		
CONDITION MUD & CIRCULATE	1½	
TRIPPING	1½	
WORK ON RIG		
REPAIR RIG	9½	
CUT OFF DRILLING LINE		
SLIP & CUT DRILLING LINE		
WIRE LINE LOGS		
RUN CASING & CEMENT		
WAIT ON CEMENT		
NIPPLE UP B.O.P.		
TEST B.O.P.		
DRILL STEM TEST		
PLUG BACK		
SQUEEZE CEMENT		
FISHING		
DIRECTIONAL WORK		
COMPLETION		
OTHER		
TOTAL DAY HOURS	19½	12

DAILY MUD COST — CUMULATIVE MUD COST

NIGHT TOUR

NO.	DRILLING ASSEMBLY (in order of use)		BIT RECORD		MUD RECORD		
	BIT	10 5/8 FT.	BIT NO.	3	TIME		
			SIZE	10 5/8	WEIGHT		
	STB	FT.	MFG.	Smith	PRESSURE GRADIENT	200	51
8	D.C. 6 1/4	FT.	TYPE	F4	VISC.-SEC.	/	/ / /
1	STB	41 FT.	JETS 1/32"	0 0 0	PV/YP	/	/ / /
	D.C. 6¼	FT.	SER. NO.	C1646	GELS	/	/ / /
	STB	FT.	DEPTH OUT		WL -CC'S		1
	DH A	248 91	DEPTH IN	1503	pH		11.5
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	30 FT.	COND. I/O/T & B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	30 FT.	SPM PR-PSI	/ /	TYPE	AMT.	TYPE AMT.
	DRILLY DRMR	FT.					
	TOTAL	FT.					

WT. OF STRING — LBS.

REMARKS

DRILLER Robin Eaton

FOOTAGE FROM	FOOTAGE TO	DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
2075	2165				60	20						

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:00	12	2	DRILLING

DAY TOUR

NO.	DRILLING ASSEMBLY (in order of use)		BIT RECORD		MUD RECORD		
	BIT	10 5/8 FT.	BIT NO.	3	TIME		
			SIZE	10 5/8	WEIGHT		
	STB	FT.	MFG.	Smith	PRESSURE GRADIENT		
8	D.C. 6¼	FT.	TYPE	F4	VISC.-SEC.		
1	STB	8.1 FT.	JETS 1/32"	0 0 0	PV/YP		
	D.C.	FT.	SER. NO.	CL6 46	GELS		
	STB	FT.	DEPTH OUT		WL -CC'S		
	BHA	248.91	DEPTH IN	1503	pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	30 FT.	COND. I/O/T & B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	30 FT.	SPM PR-PSI	/ /	TYPE	AMT.	TYPE AMT.
	DRILLY DRMR	FT.					
	TOTAL	FT.					

WT. OF STRING — LBS.

REMARKS

FOOTAGE FROM	FOOTAGE TO	DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
2165	2780											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	3:30	7½	2	Drilling
3:30	4:00	½	5	Circ Hole Water Sweep Total 7½ Drlg
4:00	5:30	1½	6	POH 2780
5:30	8:00	2½	11	Log

NO. 018199

DAILY DRILLING REPORT — REPORT NO.

LEASE: 29N 6E 20 — WELL NO.: 6E-5 15TR — API WELL NUMBER: 05-015772 — WATER DEPTH — DATE: 11-27-96

OPERATOR: [illegible] FUNS — CONTRACTOR: BOB JAMES — RIG NO.: 2

CHIEF OPERATOR'S REPRESENTATIVE — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Robert A. Jones

						PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
	9.50	2	3 7/8	3½ IF	1	5 400	COMP		
						1	Tol Buggies		

FIELD OR DIV. — COUNTY — STATE: ARIZONA

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	BKD TO CSG. HD.	SET AT
	8 5/8	J55	24	57	2281		2251
	5½	J55	14				

WIRE LINE RECORD — REEL NO. — SIZE — NO. LINES — FT. STROKES — FT. CUT OFF — PRESENT LENGTH — TONNAGE OR TRIPS SINCE LAST CUT — CUMULATIVE TONNAGE OR TRIPS

TIME DISTRIBUTION — HOURS

	NIGHT TOUR	DAY TOUR
RIG UP AND TEAR DOWN		
DRILL ACTUAL		
REAMING		
CORING		
CONDITION MUD & CIRCULATE		
TRIPPING		
RUN AND CEMENT CASING		
CUT OFF DRILLING LINE		
DEVIATION SURVEY		
WIRE LINE LOGS		
SHUT DOWN FOR REPAIRS		
WAIT ON CEMENT		
NIPPLE UP B.O.P.		
TEST B.O.P.		
DRILL STEM TEST		
PLUG BACK		
SQUEEZE CEMENT		
FISHING		
DIRECTIONAL WORK		
A. PERFORATE		
B. TAG TOPS		
C. REAMING		
D. TESTING		
E. ABSENT		
F.		
	1X	12
DAY WORK TIME SUBJECT TO CONTRACT		
W. CONTROL B.O.P.		
P. TOPS B.O.P.		
MUD UP		
STANDBY		

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	OFF	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STD. DRILL COLLARS OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. OD	FT.	TYPE		VISC. -SEC.	
	STD. DRILL COLLARS OD	FT.	JETS 1/32"		PV/YP	/ / /
	D.C. OD	FT.	SER. NO.		GELS	/ / /
	STD. DRILL COLLARS OD	FT.	DEPTH OUT		WL -CC's	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1'S- T. D. CAGE	/ /	MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	SPM PRESS.	/ /	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

REMARKS

DRILLER Robert Jones

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	OFF	FT.	BIT NO.	3	TIME	
			SIZE	10 5/8	WEIGHT	
	STD. DRILL COLLARS OD	FT.	MFG.	Smith	PRESSURE GRADIENT	Air 350 PSI
8	D.C. 6 1/4 OD	FT.	TYPE	F4	VISC. -SEC.	
1	STD. DRILL COLLARS OD Swb	8.9 FT.	JETS 1/32"	0 0 0	PV/YP	/ / /
	D.C. OD	FT.	SER. NO.	CL6 46	GELS	/ / /
	STD. DRILL COLLARS OD	FT.	DEPTH OUT	2280	WL -CC's	
	BHA	248.91	DEPTH IN	1503	pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	30 FT.	COND. 1'S- T. D. CAGE	/ /	MUD & CHEMICALS ADDED	
	SINGLES DP	30 FT.	SPM PRESS.	/ /	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

REMARKS

NIGHT TOUR

FOOTAGE FROM	FOOTAGE TO	DR. D OR R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. SPM	PUMP NO. LINER SIZE	PUMP NO. SPM	METHOD RUN
2260												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	11:00	3	11	LOGGING
11:00	3:00	1	7	W.O. Rig
3:00	8:00	5	12	Run 8 5/8 casing

8 5/8 casing pushed

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR. D OR R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. SPM	PUMP NO. LINER SIZE	PUMP NO. SPM	METHOD RUN
2260												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	11:00			WAIT on Cementers
11:00	1:00			Lay up Cementers, Cement Hole
1:00	8:00			WAIT on Cement to set

NO. 018199

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N Sec 20	55-515TL	55-615772		11-27-96
OPERATOR: Navajo Nation Oil & Gas		CONTRACTOR: Bob James		RIG NO. 2
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Robert A. James		

SIZE	GRADE	WGT. # / FT.	THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
9.50	L	9.71	8RD	1	1	Gardner Denver	PZ-8	12"
					2	National	8-P-80	12"

FIELD OR DIV. — COUNTY — STATE: Arizona

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	GRD. TO CSG. NO.	SET AT
LAST CASING TUBING OR LINER	8 5/8	J55	24	1			
	8 5/8	J55	24	57	2281		2251

WIRE LINE RECORD — REEL NO. — SIZE — NO. LINES — PT. SLIPPED — FT. CUT OFF — PRESENT LENGTH — TON MI. OR TRIPS SINCE LAST CUT — CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

JOB — OPERATIONS	HOURS	DAY
RIG UP AND TEAR DOWN		
DRILL ACTUAL		
REAMING		
CORING		
CONDITION MUD & CIRCULATE		
TRIPS		
L.D. DRILL COLLARS		
CUT OFF DRILLING LINE		
DEVIATION SURVEY	0.5	
WIRE LINE LOGS		
RUN CASING AND CEMENT		
NIPPLE UP B.O.P.		
TEST B.O.P.		
DRILL STEM TEST		
PLUG BACK		
WASHING OVER		
FISHING		
OTHER		

NO. 018200

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N Sec 20	55-51872	55-51872	1100'	11-28-86
OPERATOR: Energy Funds		CONTRACTOR: Bob James		RIG NO. 2
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Robert A Young		

SIZE	WT./FT.	GRADE	NEW / U.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5½	14-50	E	371	8RT	1				

FIELD OR DIV. | COUNTY | STATE: AR-Zone II

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	REG. TO CSG. NO.	SET AT
LAST CASING TUBING OR LINER	13⅜	J55	64	1	22		
	8⅝	J55	24	57	2261		2281

WIRE LINE RECORD — REEL NO. | SIZE | NO. LINES | FT. STRUNG | FT. CUT OFF | PRESENT LENGTH | TON MI. OR TRIPS SINCE LAST CUT | CUMULATIVE TON MI OR TRIPS

TIME DISTRIBUTION — HOURS

	HOURS	DAY
RIG UP AND TEAR DOWN	18	1
DRILL ACTUAL		
REAMING		
CORING		
CONDITION MUD & CIRCULATE		2
RUN CASING & CEMENT		
WAIT ON CEMENT		6
NIPPLE UP B.O.P.		
TEST B.O.P.		
DRILL STEM TEST		
PLUG BACK		
SQUEEZE CEMENT		
FISHING		
DIRECTIONAL WORK		
		1½
		12
		1
A. PERMITTING		
B. TOOL TRIPS		
C. LOGGING		
D. TESTING		
E. ADDITIONAL		
F.		
	18	12
DAY WORK FOR SUBSURFACE SURVEY OR DRLG.		
PUMP & CLEAN B.O.		
PUMP & SPOT B.P.		
NU BOP		
STANDBY		
TOTAL DAY HOURS		

DATE FOR NEXT REPORT

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Mackey

NIGHT TOUR

DRILLING ASSEMBLY (as end of tour)

		FT.
BIT		
STD DC	OD	FT.
D.C.	OD	FT.
STD DC	OD	FT.
D.C.	OD	FT.
STD DC	OD	FT.
STANDS OF		FT.
SINGLES OF		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	4
SIZE	7⅞
MFG.	Smith
TYPE	F3
JETS 1/32"	0 0 0
SER. NO.	KA 1090
DEPTH OUT	
DEPTH IN	2280
TOTAL FTG.	
TOTAL HRS. ON BIT	
COND. I/O/T. B. GAGE	/ /
GPM/PD-PSI	/ /

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS			
WL-CC'S			
pH			
SOLIDS %			
MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

REMARKS

DRILLER: Rosalie Emmons

DAY TOUR

DRILLING ASSEMBLY (as end of tour)

		FT.
BIT		
STD DC	OD	FT.
8 D.C. 6¼	OD	FT.
1 STD DC	OD	8.9 FT.
D.C.	OD	FT.
STD DC	OD	FT.
BHA		248.81
STANDS OF		90 FT.
SINGLES OF		30 FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	4
SIZE	7⅞
MFG.	Smith
TYPE	F3
JETS 1/32"	0 0 0
SER. NO.	KA 1090
DEPTH OUT	
DEPTH IN	2280
TOTAL FTG.	
TOTAL HRS. ON BIT	
COND. I/O/T. B. GAGE	/ /
GPM/PD-PSI	/ /

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS			
WL-CC'S			
pH			
SOLIDS %			
MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

REMARKS

NIGHT TOUR

FOOTAGE FROM	TO	DRL'D RUN-R CORE...C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
2280	2300				75	15						

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	2:00	6	13	W.O Cement
2:00	4:00	2	6	R.I.H
4:00	4:30	½	22	Blow Hole
4:30	6:00	1½	21	Drilling Cement
6:00	7:00	1	2	Drilling
7:00	8:00	1	23	Chang To mist

DAY TOUR

FOOTAGE FROM	TO	DRL'D RUN-R CORE...C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
2300	2645											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:00	12	2	Drilling

NO. 018200

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N Sec 20	55-51STR	55-515772	1100'	N-28-86

OPERATOR: ENERGY Funds
SIGNATURE OF OPERATOR'S REPRESENTATIVE

CONTRACTOR: BOB James
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Robert A Jones
RIG NO. 2

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
5½	19.50	E	7¾	3½IF	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

FIELD OR DIST. | COUNTY | STATE AR ZONE IV

	SIZE	NAME	WT. & GR.	NO. JOINTS	FEET	REG. TO CSG. NO.	SET AT
LAST CASING TUBING OR LINER	13⅜	J55	64	1	27		
	8⅝	J55	24	57	2281		2281

WIRE LINE RECORD — REEL NO.
SIZE | NO. LINES | FT. SLIPPED
FT. CUT OFF | PRESENT LENGTH
TOOL OR TRIPS SINCE LAST CUT
CUMULATIVE TOOL OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.		NIGHT	DAY
1	DRILL ACTUAL	18	1
2	REAMING		
3	CORING		
4	CONDITION MUD & CIRCULATE		
5			2
6	TRIP IN OR OUT		
7	SURVEY		
8	CUT OFF DRILLING LINE		
9	SLIP AND CUT DRILLING LINE		
10	DEVIATION SURVEY		
11	WIRE LINE LOGS		
12	RUN CASING & CEMENT		
13	WAIT ON CEMENT		6
14	NIPPLE UP B.O.P.		
15	TEST B.O.P.		
16	DRILL STEM TEST		
17	PLUG BACK		
18	MISCELLANEOUS CEMENT		
19	FISHING		
20	DIRECTIONAL WORK		
			1½
			12
			1
A	PERFORATING		
B	TOOL TROUBLE		
C	LAYING DOWN		
D	REAMING		
E	TESTING		
F	MISCELLANEOUS		
G			
		18	12

DAY WORK TEST (Complete on back)
H. POWER S.P.M.
I. POWER S.P.
J. NO. HP
K. STANDBY
TOTAL DAY HOURS

TOOL PUSHER: Mackey

NIGHT TOUR

NO.	DRILLING ASSEMBLY (At end of run)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.	4	TIME	
		FT.	SIZE	7⅞	WEIGHT	
	STD COLLAR OD	FT.	MFG.	SMITH	PRESSURE GRADIENT	
	D.C. OD	FT.	TYPE	F3	VISC.-SEC.	
	STD COLLAR OD	FT.	JETS 1/32"	0 0 0	PV/YP	/ / /
	D.C. OD	FT.	SER. NO.	KH 1090	GELS	/ / /
	STD COLLAR OD	FT.	DEPTH OUT		WL-CC'S	
			DEPTH IN	2280	pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STABILIZER OD	FT.	COND. 1/32 T. B. GAGE		MUD & CHEMICALS ADDED	
	SHOCK SUB OD	FT.	SPM/PSI	/ /	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

REMARKS

DRILLER: Rosalie Evans

FOOTAGE FROM	FOOTAGE TO	DRILLED RUN-IN CORE-OUT	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
2280	2300				75	15						

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	2:00	6	13	W.O.C Cement
2:00	4:00	2	6	R.I.H
4:00	4:30	½	22	Blow Hole
4:30	6:00	1½	21	Drilling Cement
6:00	7:00	1	2	Drilling
7:00	8:00	1	23	Chang To mist

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of run)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.	4	TIME	
		FT.	SIZE	7⅞	WEIGHT	
	STD COLLAR OD	FT.	MFG.	SMITH	PRESSURE GRADIENT	(A) 300 PSI
6	D.C. 6½ OD	FT.	TYPE	F3	VISC.-SEC.	
1	STD COLLAR OD	8.9 FT.	JETS 1/32"	0 0 0	PV/YP	/ / /
	D.C. OD	FT.	SER. NO.	KH 1090	GELS	/ / /
	STD COLLAR OD	FT.	DEPTH OUT		WL-CC'S	
	BHA	248.91	DEPTH IN	2280	pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STABILIZER OD	90 FT.	COND. 1/32 T. B. GAGE		MUD & CHEMICALS ADDED	
	SHOCK SUB OD	30 FT.	SPM/PSI	/ /	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

REMARKS

FOOTAGE FROM	FOOTAGE TO	DRILLED RUN-IN CORE-OUT	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
2300	2645											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:00	12	2	Drilling

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
4N SEC 20	55-515772	55-515772		11-29-86

OPERATOR: ENERGY FUELS — CONTRACTOR: BOB SAMES — RIG NO.: 2

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Robert Sames

SIZE	MAKE	TYPE	STROKE LENGTH
9-5/8	8	3 1/2 IF	1	PUMP NO. 1	COMP		
				1	SST BOOSTER		

FIELD OR DIST. — COUNTY — STATE: ARIZONA

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.		NO. JOINTS	FEET	REG. TO CSG. NO.	SET AT
	13 3/8	SS	61	E	1			
	9 5/8	SS	24	E	59			

WIRE LINE RECORD — REEL NO. — SIZE — NO. LINES — FT. SLIPPED — FT. CUT OFF — PRESENT LENGTH — TON MI. OR TRIPS SINCE LAST CUT — CUMULATIVE TON MI OR TRIPS

TIME DISTRIBUTION — HOURS

	HRS	DAY
DRILL ACTUAL		12
CIRCULATION		
CUT OFF DRILLING LINE		
WIRE LINE LOGS		
RUN CASING & CEMENT		
WAIT ON CEMENT		
NIPPLE UP B.O.P.		
TEST B.O.P.		
DRILL STEM TEST		
PLUG BACK		
SQUEEZE CEMENT		
FISHING		
OTHER		

DAILY DRILLING REPORT — REPORT NO.

WELL NO.	API WELL NUMBER	WATER DEPTH	DATE
29N SEC 20	02-515772	02-515772	12-1-16

OPERATOR: ENLOGI — SIGNATURE OF OPERATOR'S REPRESENTATIVE: Gene Ellis

CONTRACTOR: RON JONES — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: RIG NO. 2

D.P. SIZE	GRADE	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	9.50	E	3 3/4	3½ IF	1				

FIELD OR DIST. | COUNTY | STATE: ARIZONA

LAST CASING, TUBING OR LINER

SIZE	GRADE	WT. & GR.	NO. JOINTS	FEET	REG. TO CSG. NO.	SET AT
13 3/4	J55	64	E 1	28		
8 5/8	J55	24	E 57	2281		
5½	J55	14	E 22	3046		

WIRE LINE RECORD — REEL NO.
SIZE | NO. LINES | FT. STROKES
FT. CUT OFF | PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI OR TRIPS

TIME DISTRIBUTION — HOURS

CODE	OPERATION	NIGHT	DAY
	RIG UP AND TEAR DOWN		
	DRILL ACTUAL		
	REAMING		
	CORING		
	CONDITION MUD & CIRCULATE		
	TRIPPING		
	RIG REPAIR		
	CUT OFF DRILLING LINE		
	DEVIATION SURVEY		
	WIRE LINE LOGS		
	RUN CASING & CEMENT		
	WAIT ON CEMENT		
	NIPPLE UP B.O.P.		
	TEST B.O.P.		
	DRILL STEM TEST		
	PLUG BACK		
	MISCELLANEOUS		
	FISHING		
	DIRL. WORK		

CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

COMPANY	ENERGY FUELS NUCLEAR INC.
BOREHOLE	55-515772
AREA	TUSAYAN
ELEVATION	6507
COUNTY	COCONINO
STATE	
SECTION	20
TOWNSHIP	29N.
RANGE	3 E.

HOLE DATA

TOTAL DEPTH — DRILLER	3086 FT.	BIT SIZE	10.6"/7.8"
TOTAL DEPTH — LOGGER	3086 FT.	CASING TYPE & SIZE	N/A
TOTAL FOOTAGE LOGGED	3086 FT.	CASING DEPTH	N/A
LOGGING SPEED	60FT./MIN.	BOREHOLE FLUID	WATER/AIR
REFERENCE LEVEL	G.L.	FLUID RESISTIVITY	N/A @ F
PROBE NO	9055AL - 1235	SOFTWARE LEVEL	S8.24A
SURVEY BEFORE	90 CPS	SCALE SELECTION	OPERATOR / CLIENT
SURVEY AFTER	80 CPS		

REMARKS

0-2276': log before casing.

2276'-3086': log after casing

PROBE FILE: 55-515772

DATE: 11-30-86

UNIT OPERATOR: 765T FLAGSTAFF

OFFICE TYPE: PROBE, UT.

EQUIPMENT DATA

PROBE MODEL	9055	1235				
PROBE DIAMETER	2.5"	1.5"				
NATURAL GAMMA	DETECTOR TYPE	NaI	NaI			
	DETECTOR SIZE	1.25 x 4.5	0.75 x 4.0"			
	STD. K FACTOR	---	9.8 x 10^3			
	STD. DEADTIME	---	1.0 μsec			
	CALIB. MODEL LOC.		CPS			
	CALIB. DATE	---	09-26-86			
	K FACTOR x 10^3	---	5729			
	DEADTIME μsec	---	1.768			
	TEST READING	---				
	WATER FACTOR	---				
	CASING FACTOR	---				
GEOLOG	DETECTOR TYPE	NaI				
	DETECTOR SIZE	1.25"				
	SOURCE TYPE	Cs137	---			
	SOURCE NO.					
	SOURCE STRENGTH					
	SOURCE SPACING					
NEUTRON	DETECTOR TYPE	---	He3			
	DETECTOR SIZE	---	1.0 x 6.0"			
	SOURCE TYPE	---	Am-Be			
	SOURCE NO.	---	71-1-248			
	SOURCE STRENGTH	---	5 CI			
	SOURCE SPACING	---	17 IN.			

CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

COMPANY: ENERGY FULLS NUCLEAR

BOREHOLE: 55-515772

AREA: CANYON MINE

COUNTY: COCONINO

STATE: ARIZONA

SECTION | TOWNSHIP | RANGE | ELEVATION

HOLE DATA

TOTAL DEPTH - DRILLER	3086 FT	BIT SIZE	10.6" / 7.8"
TOTAL DEPTH - LOGGER	3086 FT	CASING - TYPE & SIZE	N/A
TOTAL FOOTAGE LOGGED	3086 FT	CASING DEPTH	N/A
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	WATER / AIR
REFERENCE LEVEL	Ground Level	FLUID RESISTIVITY	N/A @ °F
PROBE NO	9030A1-407	SOFTWARE LEVEL	58.24A
		SCALE SELECTION	RECORDER CLIENT

REMARKS:

BOREHOLE: 55-515772

DATE: 11-30-86

DRILLER'S DEPTH: 7657 / ALAN 12

RECORDED BY: Nona, Utah

EQUIPMENT DATA

PROBE NO.		407		9030	9030	
PROBE POSITION		1ST		2ND	1ST	
NATURAL GAMMA	DETECTOR TYPE	NAI	NAI	NAI	NAI	
	DETECTOR SIZE	2.5 x 4.0	2.5 x 4.0	2.5 x 4.0	5 x 3.0	
	SENSITIVITY	150		92 x 10	162 x 10	
	SENSITIVITY	1/4"		1/4"	1/4"	
	CASING DIAMETER					
	CASING FACTOR					
	DEAD TIME x 10					
	DEADTIME µSEC					
	TEST READING					
	WATER FACTOR					
	LOGGING FACTOR					
DENSITY	DETECTOR TYPE		NAI		NAI	
	DETECTOR SIZE		2.5 x 4.0		5 x 3.0	
	SOURCE TYPE				Cs	
	SOURCE NO.		251			
	SOURCE STRENGTH		125mC			
	SOURCE READING		BIN			
NEUTRON	DETECTOR TYPE			He3		
	DETECTOR SIZE			1.0 x 4.0		
	SOURCE TYPE			Am-Be		
	SOURCE NO.					
	SOURCE STRENGTH					
	SOURCE READING					
SONDE DIAMETER		3.625		3.625	3.625	
REMARKS						
DEPTH FROM		0		0	0	
DEPTH TO						

CENTURY GEOPHYSICAL CORP. PART NO. 786-0022

COMPU-LOG V8L2 PLOT 11-30-86

55-51572

EGY. FUELS. NUCL. INC.

TUSAYAN

HOLE DIAMETER : 07.8

PROBE # 0055A = 235

SENSOR #4 CAL STD CPS = 154

SENSOR #4 CAL RUN CPS = 161

SENSOR #4 CAL BIAS = 1

DATA V8L2*R TRUCK # 7657

I.F.HUANIZ APPL. #5 T

VERTICAL DEVIATION

COMPU-LOG V8.1 DEVIATION
DATA FROM : V8.2**

CLIENT : EGY.PUBS.NUCL.INC.
LOCATION : TUSHYHN
HOLE ID : 55-51772
DATE OF LOG : 1-30-**
PROBE : 9055A 0135

SCALE: 30 FT/IN
MAG DECL: 15.0
TRUE DEPTH: 3076. FT
AZIMUTH: 357.
DISTANCE: 177.7 FT

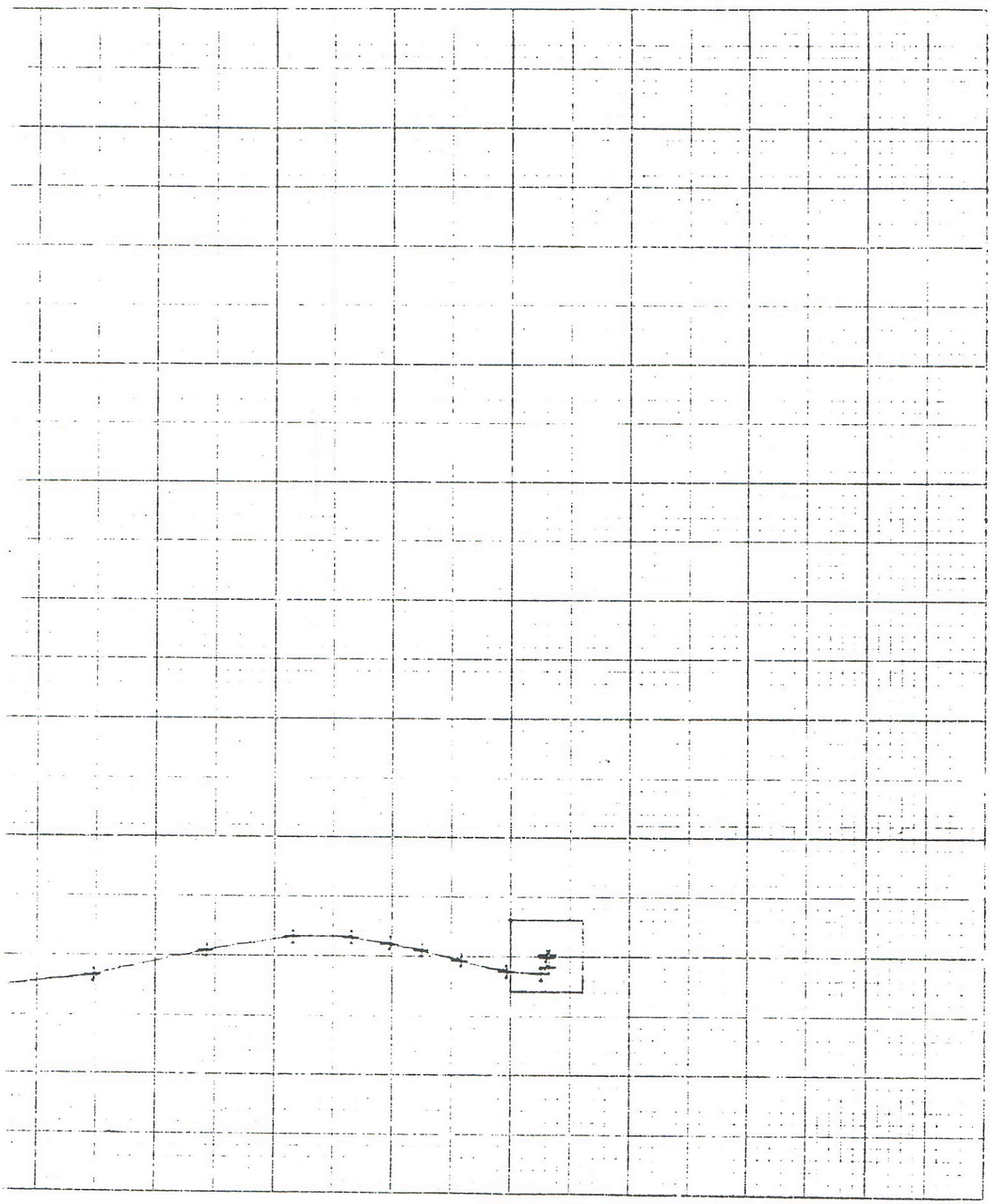
+ = 200 FOOT INCR
Δ = TOP OF ZONE
∠ = BOTTOM OF ZONE

TRUE NORTH ↑

CENTURY GEOPHYSICAL CORP. PART NO. 736-0022

CENTURY GEOPHYSICAL CORP. PART NO 786-0022

PRINTED IN U.S.A.



Arizona Department of Water Resources
P.O. Box 36020 Phoenix, Arizona 85067-6020
(602) 771-8527 - www.azwater.gov

Receipt For Request to Change Well Ownership

Authority for fee: A.R.S. § 45-113 and A.A.C. R12-15-104

Pursuant to Arizona Revised Statutes (A.R.S.) 45-593(C), the person to whom a well is registered must notify Arizona Department of Water Resources of Water Resources (ADWR) of a change in ownership of the well and the new owner must furnish information as required by ADWR to keep its well registration records current and accurate.

Keep this for your records

WELL REGISTRATION NUMBER
55-515772

FEE $30.00 per WELL

SECTION 1. Well Location

Location of Well

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE	BOOK	MAP	PARCEL
29N	3E	20	NW	SW	SE			

SECTION 2. Statement of Change of Well Ownership

New Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL
EFR ARIZONA STRIP LLC

MAILING ADDRESS
225 UNION BLVD. SUITE 600

CITY / STATE / ZIP
LAKEWOOD, CO 80228-

CONTACT PERSON NAME AND TITLE

TELEPHONE NUMBER	FAX
(303) 389-4133	(303) 974-2141

WELL ADDRESS

WELL CITY

MAJOR CROSS ROADS

EMAIL
AREITHER@ENERGYFUELS.COM

SECTION 3. Optional by Property Owner and Well Owner Only

☑ By checking this box, I hereby provide ADWR permission to enter the property for the purpose of taking water level measurements at this well.

SECTION 4. Well Owner Signature

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.

PREPARED BY	DATE
ANDREA REITHER	9/22/2014

PAYMENT INFORMATION

Reference	DWR-2435
Amount	$30.00
Date	9/22/2014

A *Request to Change Well Information Form* must be filed if there has been a change in the recorded information on a well already in existence. This may include more accurate information on the location of the well, more accurate information on the well construction details for the well, a change in the place of use or purpose of use of the water withdrawn from the well or a change in the county tax assessor's parcel identification number for the land where the well is located. It is the responsibility of the well owner to submit this information to ADWR. Forms may be obtained at the Arizona Department of Water Resources office or online at <http://www.azwater.gov>.

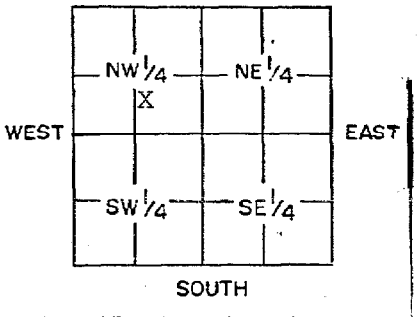
FILING FEE $10.00

DEPARTMENT OF WATER RESOURCES (DWR)
NOTICE OF INTENTION TO DRILL OR DEEPEN A WELL
OUTSIDE OF AN ACTIVE MANAGEMENT AREA

AUG 1986 DEPARTMENT OF WATER RESOURCES

OCT 1986 DEPARTMENT OF WATER RESOURCES

Section 45-596, Arizona Revised Statutes, provides: In an area not subject to active management, a person may not drill or cause to be drilled any well or deepen an existing well without first filing a Notice of Intention to Drill with the Department.



INDICATE WELL LOCATION BY X

(Above diagram represents one 640 acre section)

WELL/LAND LOCATION:

1. Township 29N N/S
2. Range 3E E/W
3. Section 20
4. ~~NW¼~~, ~~SE¼~~ W½ NW ¼ 10 acre subdivision
5. County Coconino
6. Owner of well:
   Energy Fuels Nuclear, Inc.
   Name
   1200 17th St. Suite 2500
   Address
   Denver, CO 80202
   City State Zip
   Telephone (303)623-8317
7. Owner of land:
   Energy Fuels Nuclear, Inc
   Name
   1200 17th St. Suite 2500
   Address
   Denver, CO 80202
   City State Zip

602-774-0609 - 643-7321

DESCRIPTION OF WELL:

8. Diameter 6-10 inches
   Depth 3000-4000 feet
9. Type of casing Steel
10. Design pump capacity:
    10-20 gallons per minute
11. Estimate of total annual pumping: 7 acre feet
12. Principal use of water:
    Culinary water supply for ~~mine and offices.~~
    (Be Specific)
13. Other uses intended:
    Drill water and dust control
    (Be Specific)
14. If for irrigation, state the number of acres to be irrigated:
    N/A acres
15. Construction will start about:
    October 1986
    Month Year

DO NOT WRITE IN THIS SPACE
OFFICE RECORD bcd bdb

FILE NO. A (29-3) 20
FILED 10-6-86 BY S.V.
INPUT ENTERED OCT 08 1986 BY
DUPLICATE MAILED 10-7-86 BY S.V.
REGISTRATION NO. 55-515772
INA
W/S 02 S/B

PLACE OF WELL:

16. Township 29N N/S
17. Range 3E E/W
18. Section 20
19. Legal description of land Section 20, T.29N., R.3E., Coconino County
20. Type well:
    X Exempt
    ✓ Non-Exempt
21. Action Requested:
    Drill X Deepen Replace
    55-
22. This notice filed by:
    Owner XXX
    Lessee
    Energy Fuels Nuclear, I
    Name
    1200 17th St. Suite 25
    Address
    Denver, CO 80202
    City State Zip
    Telephone (303)623-8317
23. Driller's Name:
    Bob James Drilling & Expl.
    Name
    5804 Cedarwood Drive
    Address
    Farmington, N.M. 87401
    City State Zip
    437 none
    DWR License Number

GENERAL INSTRUCTIONS

1. Fill out this form in duplicate and send to 99 East Virginia, Suite 100, Phoenix, Az. 85004.
2. For specific instructions, limitations and conditions, see the reverse side of this form.
3. This form is to be used to drill, deepen or replace a well outside of an Active Management Area.
4. If the well is a replacement or deepening of an existing well, state the registration number of the existing well in Item 21.
5. Construction standards for new and replacement wells and the deepening and abandonment of existing wells shall be in accordance with Department rules and regulations.

MICROFILMED

I state that this Notice is filed in compliance with ARS §45-596 and is complete and correct to the best of my knowledge and belief and that I understand the limitations under which I must operate this well set forth on the reverse side of this form.

DATE 8/5/86 Signature of Person Filing Lawrence L. Casebolt

DWR-55-41-10/83

SPECIFIC INSTRUCTIONS, LIMITATIONS AND CONDITIONS

1. Upon receipt of the return of this annotated Notice, the owner is authorized to proceed in drilling or deepening the well as set forth on this Notice.

2. An exempt well means a well having a pump with a maximum capacity of not more than thirty-five (35) gallons per minute and may include the application of water to less than two (2) acres of land to produce plants or parts of plants for sale, human consumption or for use as feed for livestock, range livestock or poultry.

3. Only one exempt well may be drilled or used to serve the same use at the same location.

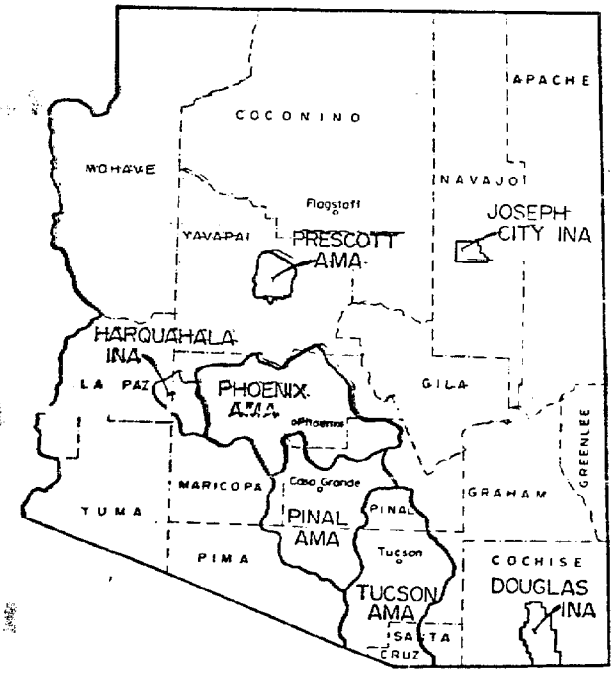
4. A non-exempt well is any well which exceeds the limitations, as indicated in paragraph 2 above. However, water from a non-exempt well located in an Irrigation Non-Expansion Area, may not be withdrawn to irrigate any acres which are not eligible to be irrigated pursuant to ARS §45-434 or §45-437. Also, owners of non-exempt wells located in Irrigation Non-Expansion Areas, are subject to the measuring device and annual report requirements of ARS §45-437.

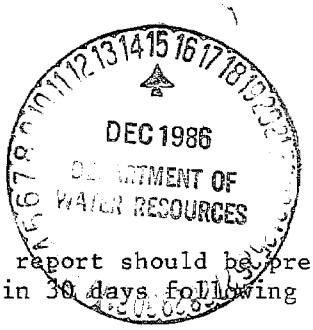
5. The drilling or deepening of this well shall be completed within one (1) year of the date of this Notice.

6. Within thirty (30) days after the installation of pumping equipment on this well, the registered well owner shall file the prescribed Completion Report. A form for this purpose will be furnished to the registered owner with the return of an annotated copy of this Notice.

7. The person to whom a well is registered shall notify the Department of a change in ownership or a change in data relating to this well. The prescribed form for these purposes will be furnished to the registered owner with the return of the annotated copy of this Notice.

8. A sketch map showing the general boundaries of the Active Management Areas and Irrigation Non-Expansion Areas is shown at the right. Maps of greater detail are available on request.





STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Energy Fuels Nuclear, Inc.
   Name
   P.O. Box 36 Fredonia, Arizona 86022
   Mailing Address
2. Driller Bob James Drilling and Exploration Company
   Name
   5804 Cedar wood Drive , Farmington, NM 87401
   Mailing Address
3. Location of well: 29 N 3 E Sec. 20 NW ¼ SE ¼ NW ¼ Coconino County, AZ
4. Permit No. (if issued) REgistration No. 55-515772

DESCRIPTION OF WELL

5. Total depth of hole 3,086 ft.
6. Type of casing Steel, short threaded and coupled
7. Diameter and length of casing 8 5/8 in. from 0 to 2,281, 5½ in from 2,116 to 3,086.
8. Method of sealing at reduction points Portland Cement Grout
9. Perforated from 2,584 to 2,960, from _____ to _____, from _____ to _____.
10. Size of cuts 3/16 in. by 3 in. long Number of cuts per foot 16
11. If screen was installed: Length N/A ft. Diam _____ in. Type _____
12. Method of construction Rotary Drilled
    drilled, dug, driven, bored, jetted, etc.
13. Date started November (Month) 16, (Day) 1986 (Year)
14. Date completed December (Month) 2 (Day) 1986 (Year)
15. Depth to water N/A ft. (If flowing well so state.)
16. Describe point from which depth measurements were made, and give sea-level elevation if available Depth measurements were taken from well collar, which is 6,507ft above sea-level.
17. If flowing well, state method of flow regulation: N/A
18. Remarks: Water was encountered at a depth of 2,870 feet and rose in the well to a static depth of 2,525 feet from the surface.

RECEIVED DEC

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55-515772
Received _____ By _____
Entered ENTERED DEC 16 1986 By _____
File No. A(29-3)20 bdb

DWR-55-6-Rev. 8/85

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	50	Moenkopi Formation- Mudstone Lt. red-pink with minor chert fragments.
50	340	Kaibab Formation- Interbedded siltstones,VF grained sandstones yellow tan-gray, limestones F grained Lt. yellow tan-gray.
340	550	Toroweap Form.- Quartz Sandstone, VF grained white to dark gray with minor dark gray to black shale beds.Pyrite noted locally.
550	1,125	Coconino Sandstone- Quartz Sandstone, F-med. grained Lt. tan-white, locally contains pyrite in small amounts.
1,125	1,237	Hermit Shale- Mudstone, red brown with thin interbedded VF grained quartz sandstones and siltstones.
1,237	2,242	Supai Group- Interbedded quartz sandstones, siltstones and mudstones, redbrown to Lt.orange VF-F grained. Locally transparent, brown to red chert fragments near lower contact.
2,242	2,670	Redwall Limestone- Limestone, massive Lt.gray-buff aphaniti with gray to darkbrown chert frag. and darkbrown aphanitic basal dolostone.
2,670	2,780	Temple Butte Formation- Dolostone, wh.-lt tan aphanitic, massive.
2,780	2,980	Muav Limestone-Dolostone, Lt.tan-brown aphantic, massive, thin bedded limestones Lt. gray.
2,980	3,086T.D.	Bright Angel Shale-Shale,Magenta-dk.gray green fissile, very micaceous.

A minor water flow of approximately 5 gpm was encountered from 1,10(to 1,125 ft. This water flow was sealed off with steel casing and Portland cement grout. The main water flow was first encountered at a depth of 2,870 ft., and continued to be produced to 2,980 feet. The water rose from the point of entry to a static water level of 2,525 as determined from an electric log.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

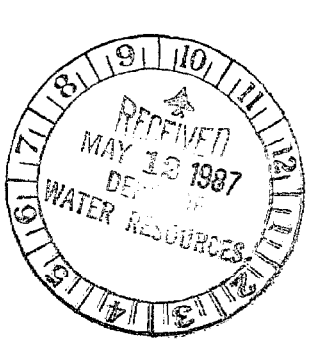
Driller Lawrence L. Casebolt for Bob James Drilling
Name

5804 Cedarwood Drive
Address

Farmington, New Mexico 87401
City State Zip

Date December 12, 1986

DEPARTMENT OF WATER RESOURCES
99 East Virginia Avenue
Suite 100
Phoenix, Arizona 85004



CHANGE OF WELL INFORMATION

Registration Number 55- 515772

I request the following information be changed in Well File Number A(29-3) 20 bcd

The pumping equipment originally installed in this well have been replaced with equipment of the following description and capacity. Pump is an electric, submersible centrifugal type with a horsepower rating of 60 H.P. The pump capacity is 45 gpm. This installation was completed on 4/26/87. Test pumping was approximately 40gpm determined by measured volumn method, static groundwater level was 2,561 feet, draw down was 351 feet. Total pumping lift was 2,912.

Date May 8, , 1987

Lawrence L. Casebolt for
Energy Fuels Nuclear, Inc.
Signature of Well Owner

STATEMENT OF CHANGE OF WELL OWNERSHIP

I, N/A, state that I am (no longer) the (new) owner of the well described below:

Township_____ Range_____ Section _____, _____¼ _____¼ _____¼

Registration #55-_____ File No. _____

Previous Owner	New Owner
Address	Address
City State Zip	City State Zip

NOTE: ARS §45-593 requires that the Department be notified of change of well ownership and that the well owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within 30 days after changes take place.

NOTE: SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP OR WELL DATA SUCH AS PUMP CAPACITY, ETC.

DWR-55-51-12/83

DEPARTMENT OF WATER RESOURCES
99 East Virginia
Phoenix, Arizona 85004

Registration No. 55-515772

Owner of Well Site Energy Fuels Nuclear, Inc.

File No. A(29-3) 20 bcd

COMPLETION REPORT

1. Per A.R.S. §45-600, the Completion Report to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
2. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

LOCATION OF THE WELL:

29 North	3 East	20	NW SW SE
Township	Range	Section	¼ ¼ ¼

EQUIPMENT INSTALLED:

Kind of pump Moyno
Turbine, centrifugal, etc.

Kind of power Electric H.P. Rating of Motor 25
Electric, natural gas, gasoline, etc.

Pumping Capacity 15 Date installed 12/2/86
Gallons per minute

WELL TEST:

Test pumping capacity 15 Date Well Tested 12/2/86
Gallons per minute

Method of Discharge Measurement Measured Volume
Weir, orifice, current meter, etc.

Static Groundwater Level 2,525 ft. Drawdown unknown ft.

Total Pumping Lift 2,525 ft. Drawdown N/A lbs
(Flowing Well)

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.

December 12, 1986
DATE

Lawrence L Casebolt
Signature Lawrence L. Casebolt for
Energy Fuels Nuclear, Inc
P.O. Box 36
Address
Fredonia, AZ 86022
City State Zip

DISAPPROVED

DWR-55-7-3/84

ENTERED MAR 16 1987

DEPARTMENT OF WATER RESOURCES
99 East Virginia Avenue
Suite 100
Phoenix, Arizona 85004

CHANGE OF WELL INFORMATION

Registration Number 55- 515772

I request the following information be changed in Well File Number A(29-3)20 bdb

The discovery of an error in the well location survey necessitates a change in the description of the well location. The accurate location for the well is as follows: Township 29N., Range 3E., Section 20. SE ¼, SW ¼, NW ¼. Energy Fuels Nuclear, Inc. also requests a change of well status from exempt to non-exempt.

Date January 13, 19 87 for Energy Fuels Nuclear Inc. by Lawrence F Goodwolf
Signature of Well Owner

STATEMENT OF CHANGE OF WELL OWNERSHIP

I, N/A, state that I am (no longer) the (new) owner of the well described below:

Township _____ Range _____ Section _____, _____¼ _____¼ _____¼

Registration #55- _____ File No. _____

Previous Owner	New Owner
Address	Address
City State Zip	City State Zip

ENTERED JAN 23 1987

NOTE: ARS §45-593 requires that the Department be notified of change of well ownership and that the well owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within 30 days after changes take place.

NOTE: SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP OR WELL DATA SUCH AS PUMP CAPACITY, ETC.

RECEIVED JAN 20 1987 DEP T. OF WATER RESOURCES

DWR-55-51-12/83

State of Arizona

DEPARTMENT OF WATER RESOURCES

99 E. Virginia Avenue, Phoenix, Arizona 85004

BRUCE BABBITT, Governor
KATHLEEN FERRIS, Director

ENERGY FUELS NUCLEAR, INC.
1200 17th St. Ste 2500
Denver, Co. 80202

OCTOBER 7, 1986

File No. A(29-3)20 bdb
Registration No. 55-515772

Dear Well Owner:

Enclosed for your records is a copy of the Notice of Intention to Drill a well which was recently filed with this Department. This is returned to you as evidence of compliance with ARS §45-596. Also enclosed is a Completion Report to be submitted when pump equipment is installed. Your driller has been mailed separately a Well Drilling Card and a Well Drilling Report form. Your driller may not begin to drill your well until he has received the Well Drilling Card, and is required to display the Drilling Card on his rig while drilling. If you elect to change drillers, you are required to notify this Department of that fact and who the new driller is. Please ensure that any driller you elect to use is properly licensed to drill the type of well you require since licensed well drillers must pass an examination that proves they understand professional well drilling methods and they are familiar with the laws and regulations which govern well construction in Arizona.

In the event that you determine it necessary to change the location of the proposed well, you should obtain the written permission of the Department of Water Resources before proceeding with the drilling. A properly signed amended Drilling Card must be in the possession of the driller before drilling commences at a different location than originally authorized.

ARS §45-600 requires the registered well owner to submit a Completion Report within 30 days after the installation of pumping equipment. It also requires the driller to furnish this Department a complete and accurate log of the well within 30 days after completion of drilling. You should insist and ensure that both of these are done.

For your <u>future</u> use, a Change of Well Information form is enclosed should it become needed. Per ARS §45-593, the person to whom a well is registered shall notify this Department of a change in ownership of the well and/or information pertaining to the physical characteristics of the well in order to keep the well registration file current and accurate.

Sincerely,

Richard A. Gessner
Chief, Operations Division

RAG: SV
Enclosures

RECEIVED

ENERGY FUELS NUCLEAR, INC.
1200 17th St. Ste 2500
Denver, Co 80202

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
WATER RIGHTS ADMINISTRATION
99 EAST VIRGINIA
PHOENIX, ARIZONA 85004

RECEIPT

KIND ENTRY	FILE REFERENCE NO.
55	515772
	THRU

ACCOUNT NO. FUND SOURCE	AGENCY	CHAPTER	DIV.	INT. ACCT.	ITEM DESCRIPTION	RATE	$ AMOUNT
					FILING FEE FOR NOTICE OF INTENT TO DRILL	10.00	10.00
					OR DEEPEN 1 EXEMPT WELL OUTSIDE OF AN		
					ACTIVE MANAGEMENT AREA		
					REC. NO. 55-515772		
					FILE NO. A(29-3)20 bdb		
					CHECK NO. 2251 10-8-86 sv		

OCT 1986 PAID

TOTAL $ 10.00

As soon as you know your new address, mail this card to all of the people, businesses, and publications who send you mail.

For publications, tape an old address label over name and old address sections and complete new address.

Your Name (Print or type. Last name, first name, middle initial.)					
Energy Fuels Nuclear, Inc.					
Old Address	No. & Street: P.O. BOX	Apt./Suite No.	PO Box: 1320	RR No.	Rural Box No.
	City: KANAB,	State: UT	ZIP+4: 84741		
New Address	No. & Street: HC 64, Box 152	Apt./Suite No.	PO Box	RR No.	Rural Box No.
	City: Fredonia,	State: AZ	ZIP+4: 86022		
Sign Here: ENTERED NOV 24 1992		Date new address in effect: 9/1/92		Keyline No. (If any)	

PS Form 3576, November 1990 RECEIVER: Be sure to record the above new address.

A(29-3)20 BCD

515772

RECEIVED

Well Registry Information

Registration Number 55- **515772**

General | Construction | Status | Owner | Driller | Pump Data

Well Status

Application Date	10/07/1986	Well Accepted	Y - Yes	Log Received	X - Received	Log Canceled	

Well Action

Action Date	Action Code	Action Description	Action Comments
4/10/2023	806	ONLINE PUMP INSTALLATION COMPLETION REPORT RECEIVED/ENTERED	Online
9/22/2014	860	CHANGE OF WELL OWNERSHIP	Online
12/2/1986	750	WELL DRILLER REPORT AND WELL LOG RECEIVED/ENTERED	
12/2/1986	755	WELL CONSTRUCTION COMPLETED	
12/2/1986	805	PUMP INSTALLATION COMPLETION REPORT RECEIVED/ENTERED	

Well Registry Comments

Well Comments

CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

COMPANY	ENERGY FUELS NUCLEAR
BOREHOLE	55-515772
AREA	CANYON MINE
ELEVATION	
COUNTY	COCONINO
STATE	ARIZONA
SECTION	
TOWNSHIP	
RANGE	

HOLE DATA

TOTAL DEPTH — DRILLER	3086 FT	BIT SIZE	10.6" / 7.8"
TOTAL DEPTH — LOGGER	3086 FT	CASING — TYPE & SIZE	N/A
TOTAL FOOTAGE LOGGED	3086 FT	CASING DEPTH	N/A
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	WATER/AIR
REFERENCE LEVEL	Ground Level	FLUID RESISTIVITY	N/A @ °F
PROBE NO.	9030A1-407	SOFTWARE LEVEL	58.2*A
		SCALE SELECTION	*OPERATOR CLIENT

REMARKS:

BOREHOLE	55-515772
DATE	11-30-86
UNIT/OPERATOR	7657/ALANIZ
FIELD OFFICE	MOAB, UTAH

EQUIPMENT DATA

		9010	9030 A1	9050/55	9060
PROBE MODEL		9010	9030 A1	9050/55	9060
PROBE DIAMETER		1.87"	2.0"	1.87"	1.4"
NATURAL GAMMA	DETECTOR TYPE	NaI	NaI	NaI	NaI
	DETECTOR SIZE	.875" x 1.25"	1.125" x 4.5"	.875" x 4.0"	.5" x 3.0"
	STD. K FACTOR	1.59 x 10^{-1}	—	.558 x 10^{-1}	1.62 x 10^{-1}
	STD. DEADTIME	1 μsec	—	1.18 μsec	1 μsec
	CALIB. MODEL LOC.		—		
	CALIB DATE		—		
	K-FACTOR x 10^{-1}		—		
	DEADTIME μsec		—		
	TEST READING		—		
	WATER FACTOR		—		
	CASING FACTOR		—		
DENSITY	DETECTOR TYPE	—	NaI	—	NaI
	DETECTOR SIZE	—	.5" x 1.5"	—	.5" x 3.0"
	SOURCE TYPE	—	Cs^{137}	—	Cs^{137}
	SOURCE NO	—	257	—	
	SOURCE STRENGTH	—	125mG	—	
	SOURCE SPACING	—	8 IN	—	
NEUTRON	DETECTOR TYPE	—	—	He^3	—
	DETECTOR SIZE	—	—	1.0" x 8.0"	—
	SOURCE TYPE	—	—	AmBe	—
	SOURCE NO	—	—		—
	SOURCE STRENGTH	—	—		—
	SOURCE SPACING	—	—		—
SNGL. PT RESISTANCE		1.4"D x 2.5'L	—	1.4"D x 2.5'L	1.1"D x 2.5'L
RESISTIVITY		—	8" FOCUSED	—	—
SELF POTENTIAL		YES	—	YES	YES
TEMPERATURE		—	—	YES	—
DEVIATION		—	—	NO / YES	—
CALIPER		—	YES	—	—

CT-112 REV. 2/11/80

CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

COMPANY	ENERGY FUELS NUCLEAR INC.
BOREHOLE	55-515772
AREA	TUSAYAN
ELEVATION	6507
COUNTY	COCONINO
STATE	
SECTION	20
TOWNSHIP	29N.
RANGE	3 E.

HOLE DATA

TOTAL DEPTH — DRILLER	3086 FT.	BIT SIZE	10.6"/7.8"
TOTAL DEPTH — LOGGER	3086 FT.	CASING TYPE & SIZE	N/A
TOTAL FOOTAGE LOGGED	3086 FT.	CASING DEPTH	N/A
LOGGING SPEED	60FT./MIN.	BOREHOLE FLUID	WATER/AIR
REFERENCE LEVEL	G.L.	FLUID RESISTIVITY	N/A @ F
PROBE NO	9055A1 - #235	SOFTWARE LEVEL	S8.2A1
SURVEY BEFORE	: 90 CPS	SCALE SELECTION	X OPERATOR CLIENT
SURVEY AFTER	: 80 CPS		

REMARKS

0-2276': log before casing.

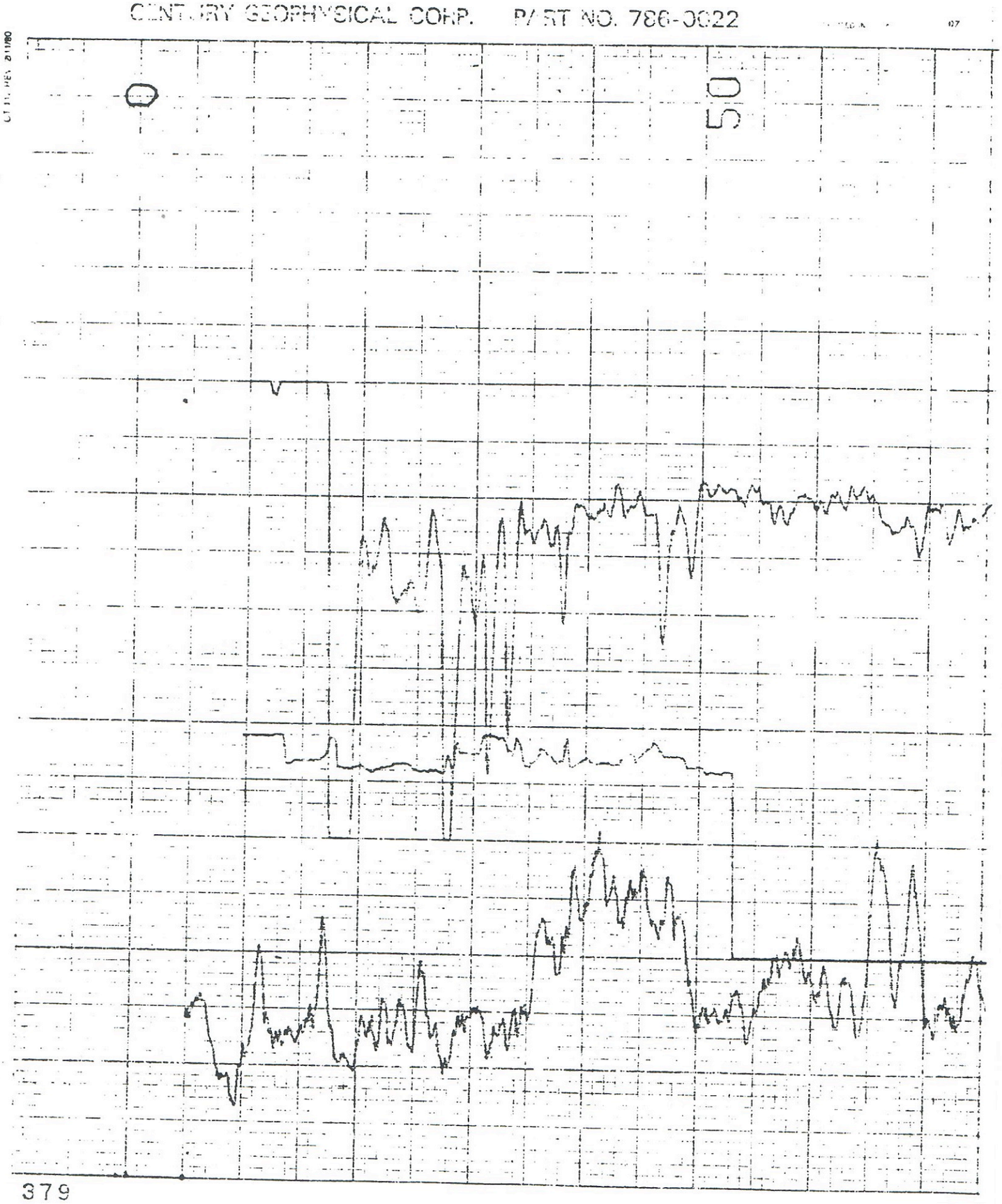
2276'-3086': log after casing

PROBE FILE: 55-515772 | DATE: 11-30-86

LOGGING OPERATOR: TEST TUSAYAN | FIELD OFFICE: MOAB, UT.

EQUIPMENT DATA

PROBE MODEL	9055	9055			
PROBE DIAMETER	2.5"	3.5"			
NATURAL GAMMA	DETECTOR TYPE	NaI	NaI		
	DETECTOR SIZE	1.25" x 4.5"	0.75" x 4.0"		
	STD. FACTOR	---	1.0 x 10^0		
	STD. DEADTIME	---	10 μsec		
	CALIB. MODEL LOC.		CPR		
	CALIB. DATE	---	09-26-86		
	K FACTOR x 10^3	---	5729		
	DEADTIME μsec	---	268		
	TEST READING	---			
	WATER FACTOR	---			
	CASING FACTOR	---			
GEN.	DETECTOR TYPE	NaI			
	DETECTOR SIZE	1.25" x 4.5"			
	SOURCE TYPE	Cs-137			
	SOURCE NO.				
	SOURCE STRENGTH				
	SOURCE SPACING				
NEUTRON	DETECTOR TYPE	---	He3		
	DETECTOR SIZE	---	1.0" x 6.0"		
	SOURCE TYPE	---	Am-Be		
	SOURCE NO.	---	71-1-218		
	SOURCE STRENGTH	---	5 CI		
	SOURCE SPACING	---	17 IN		
[illegible]	[illegible]	[illegible]	[illegible]		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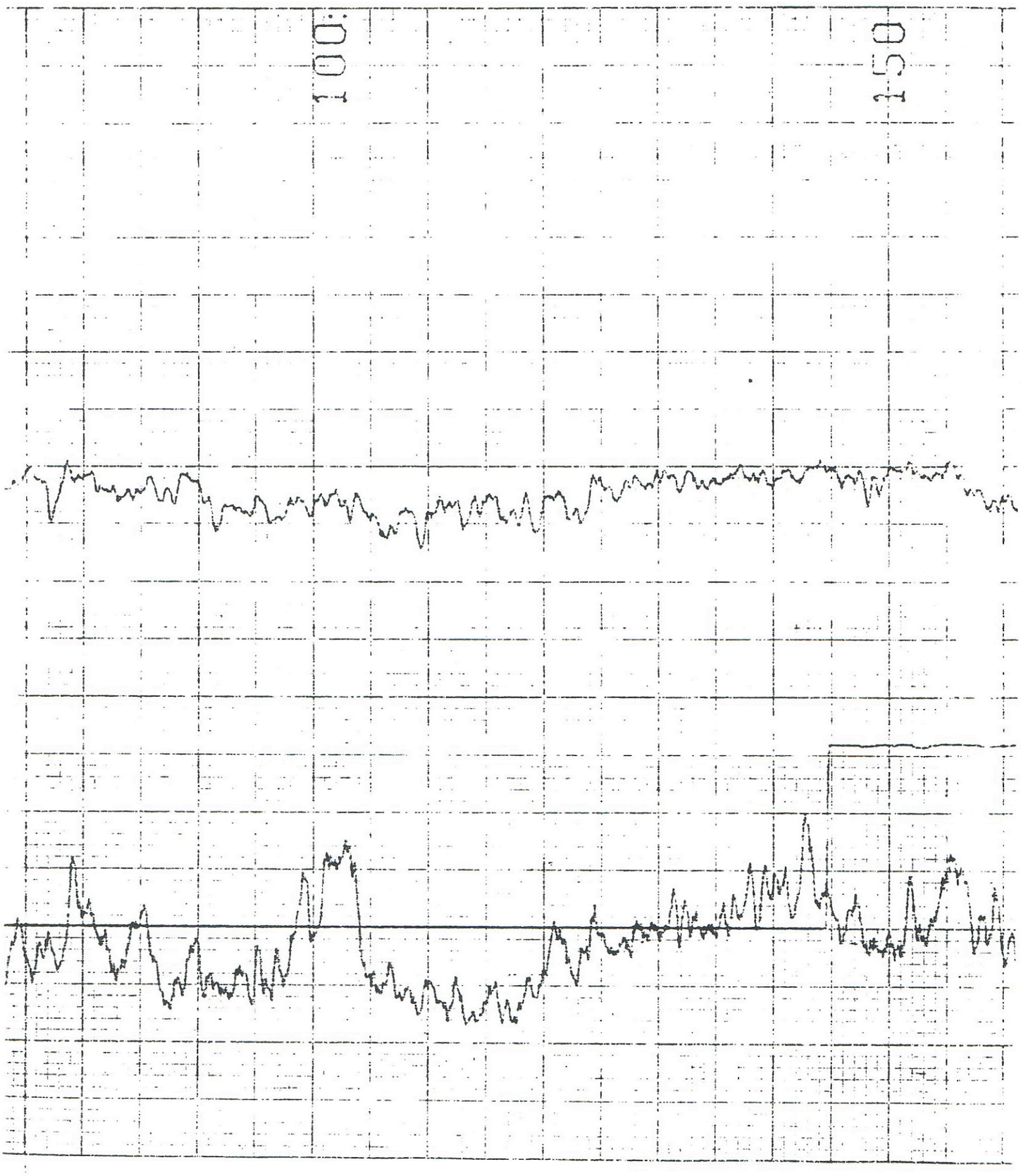
CENTURY GEOPHYSICAL CORP. PART NO. 786-0022 PRINTED IN U.S.A.



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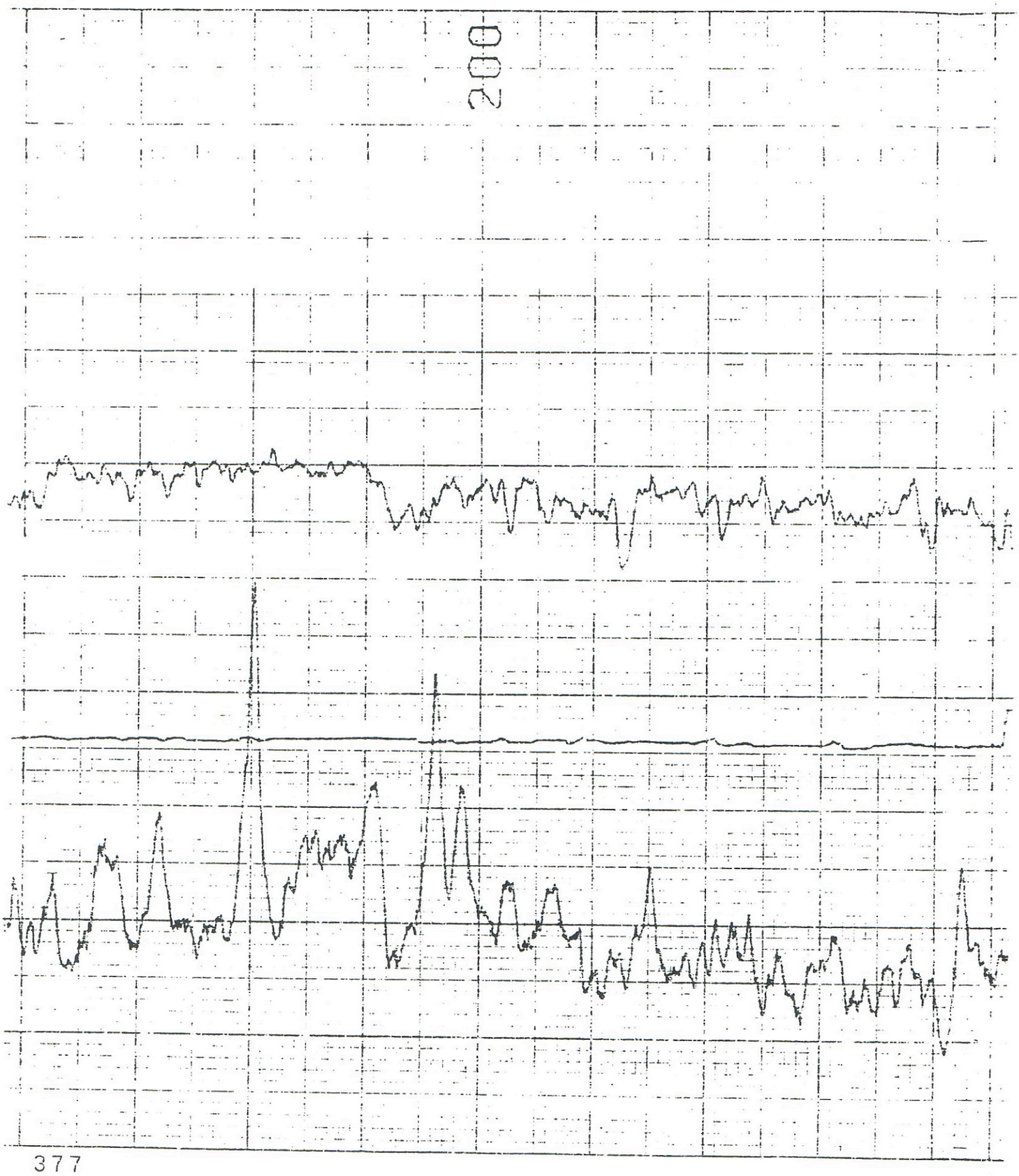

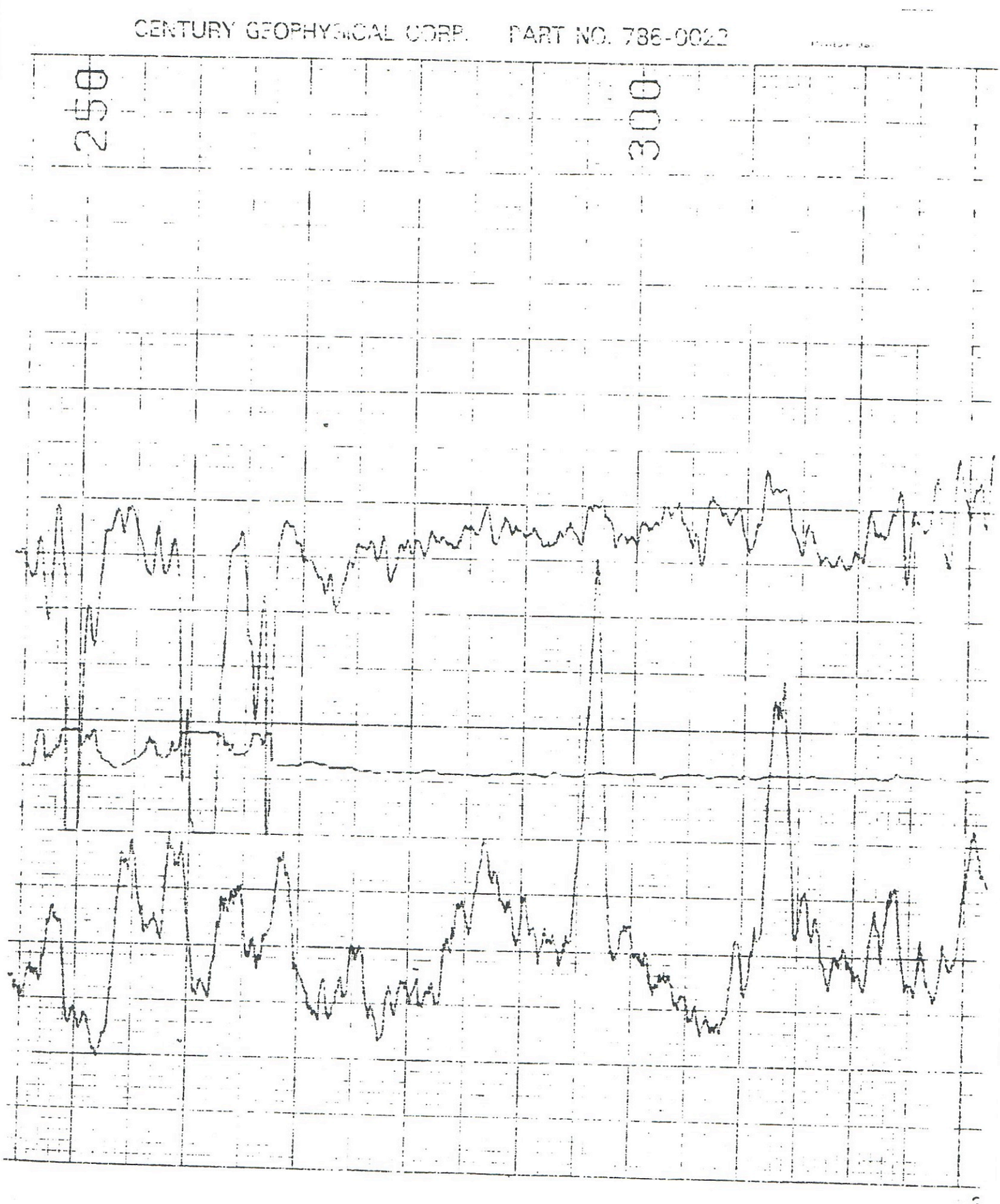
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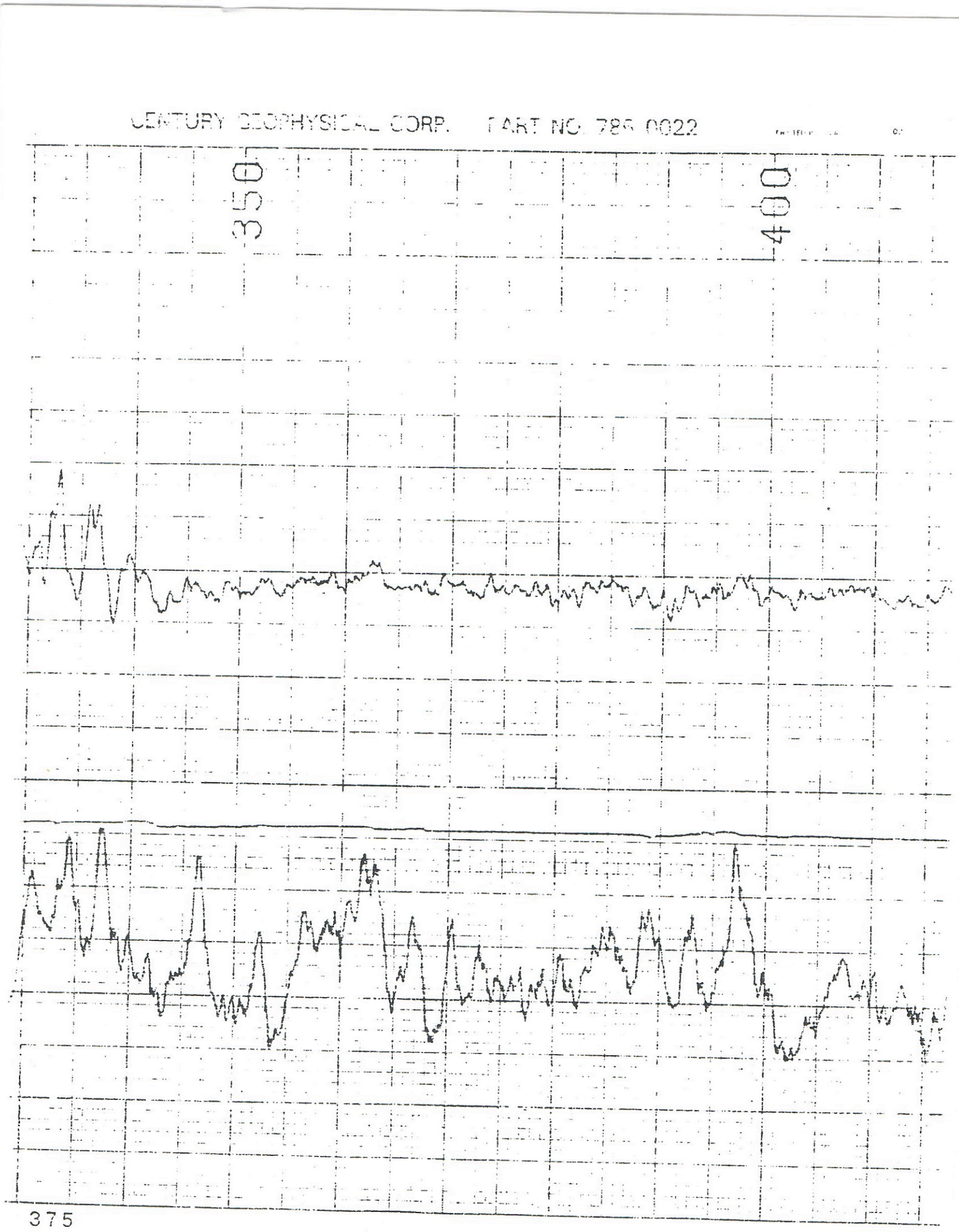
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CENTURY GEOPHYSICAL CORP. PART NO 788-0022

450

500

SEATTLE, SEC. (SOCAL CASE)
PART NO. 736-0020
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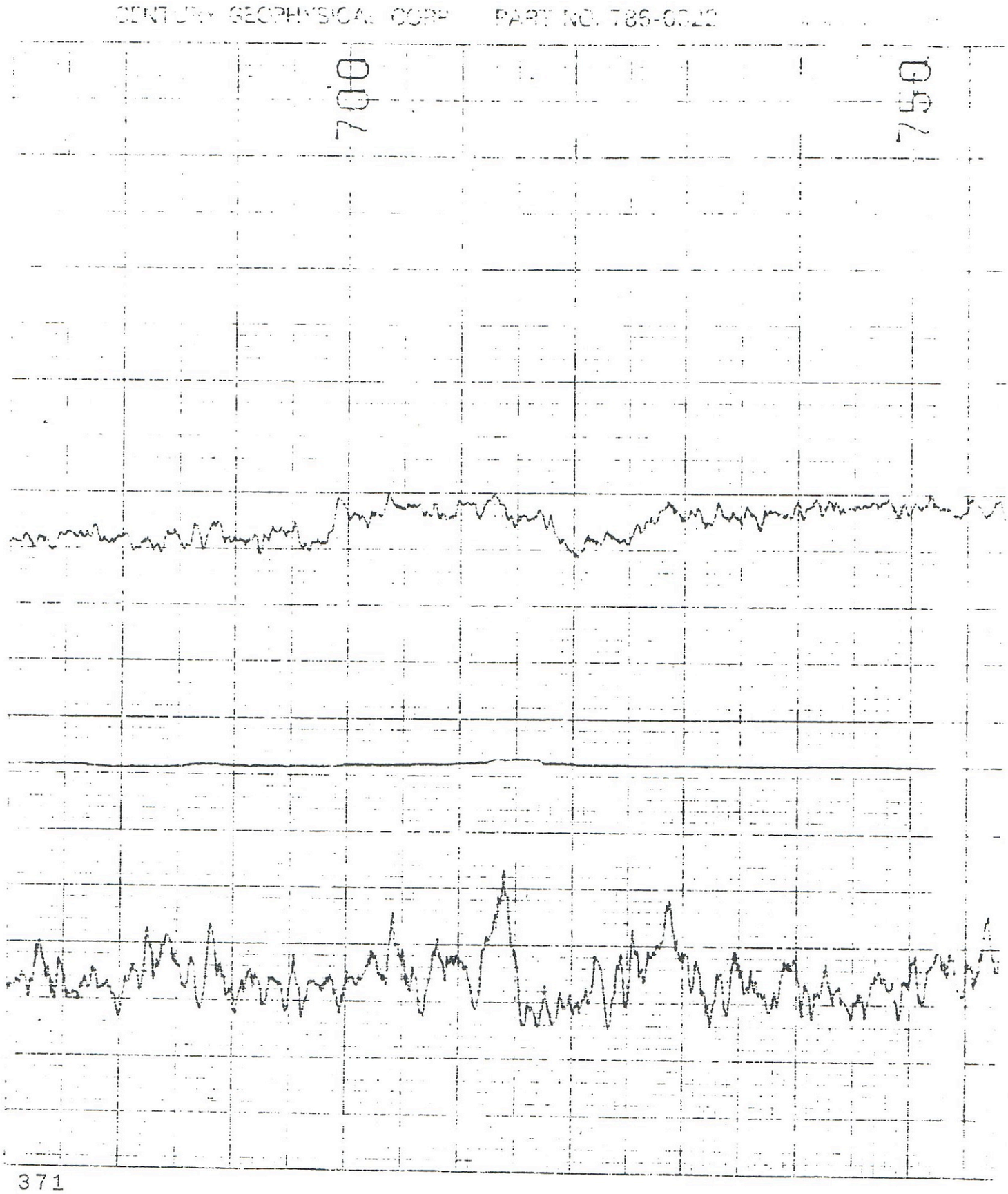
550

4 KUPD
600
650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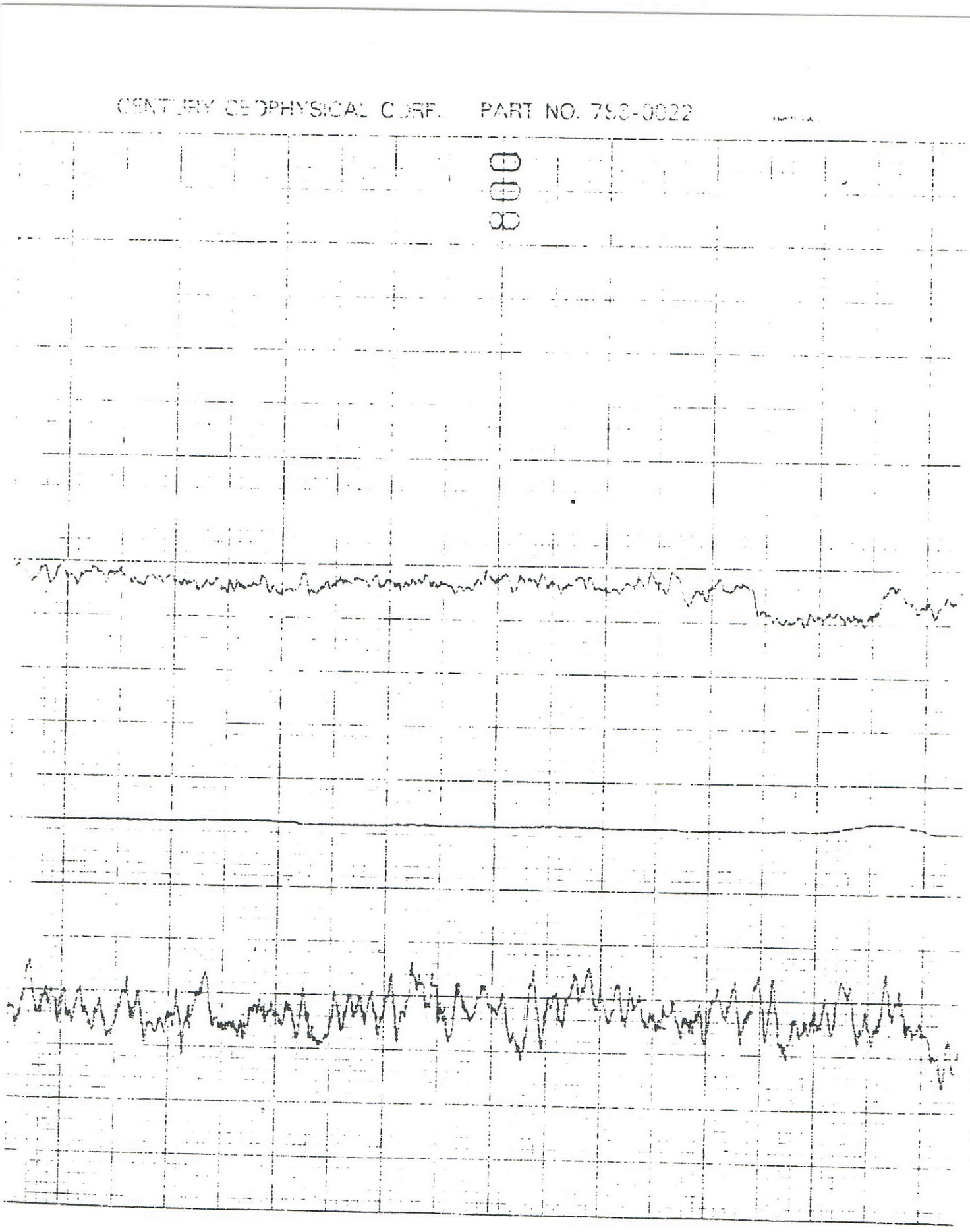
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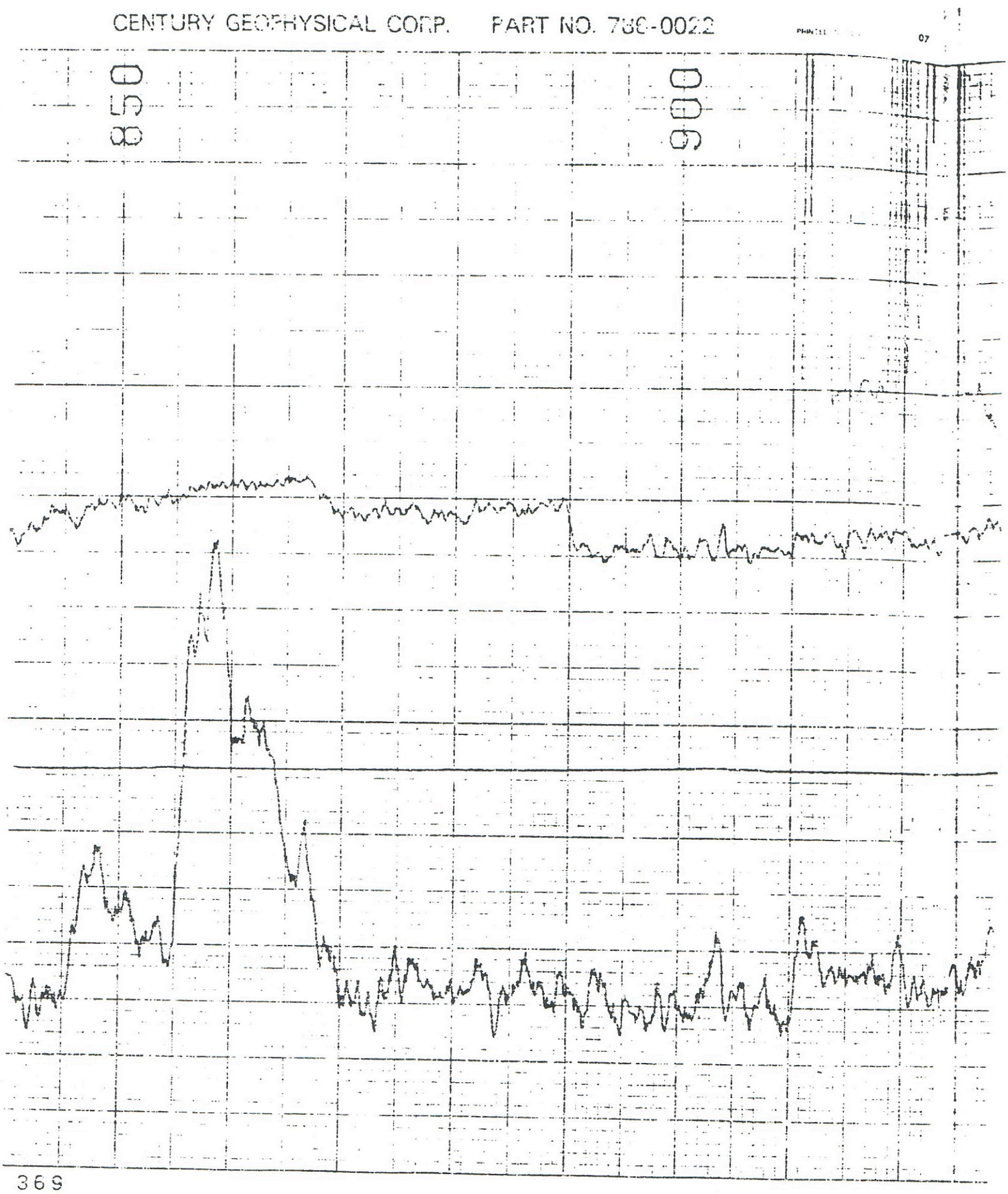
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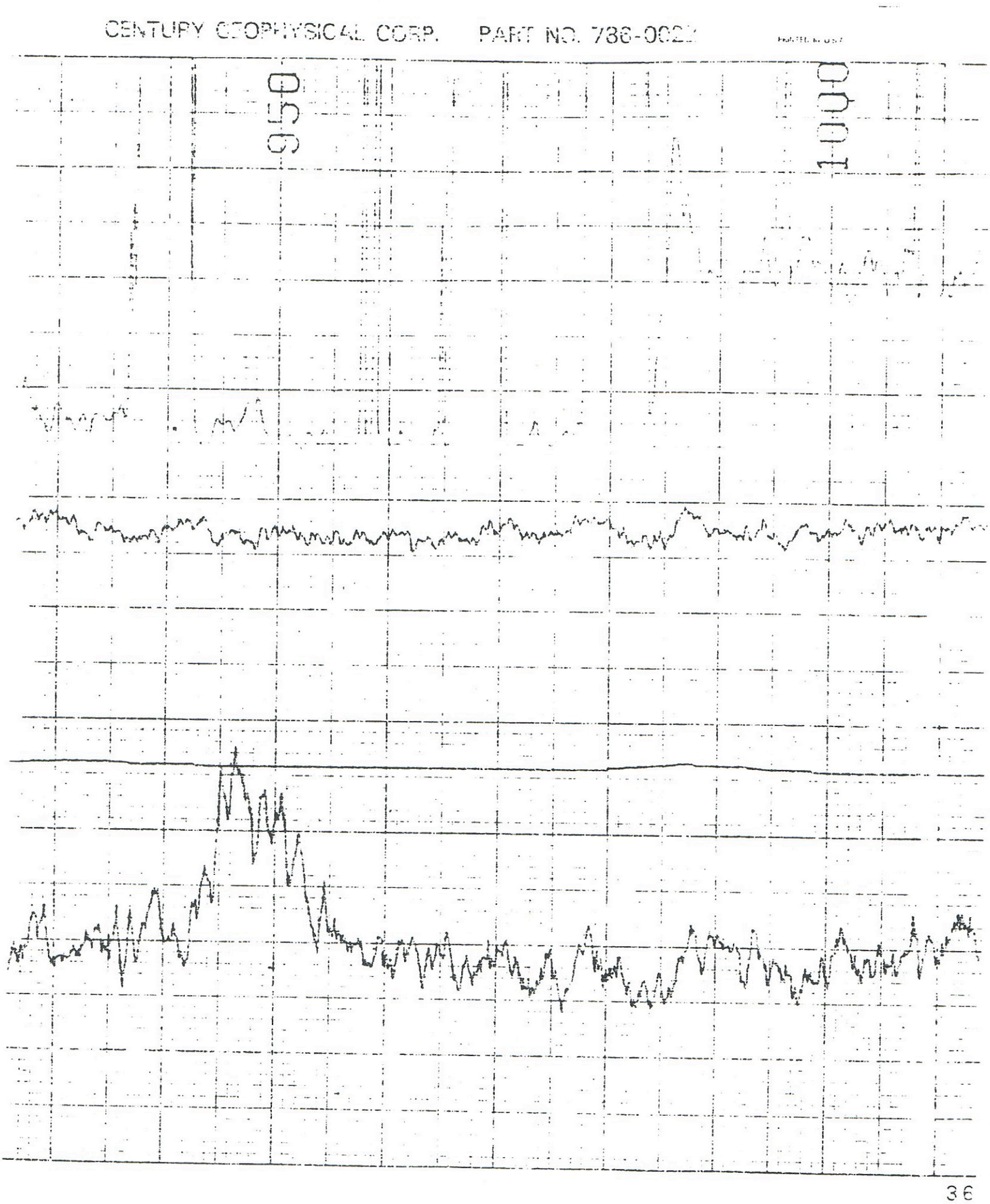
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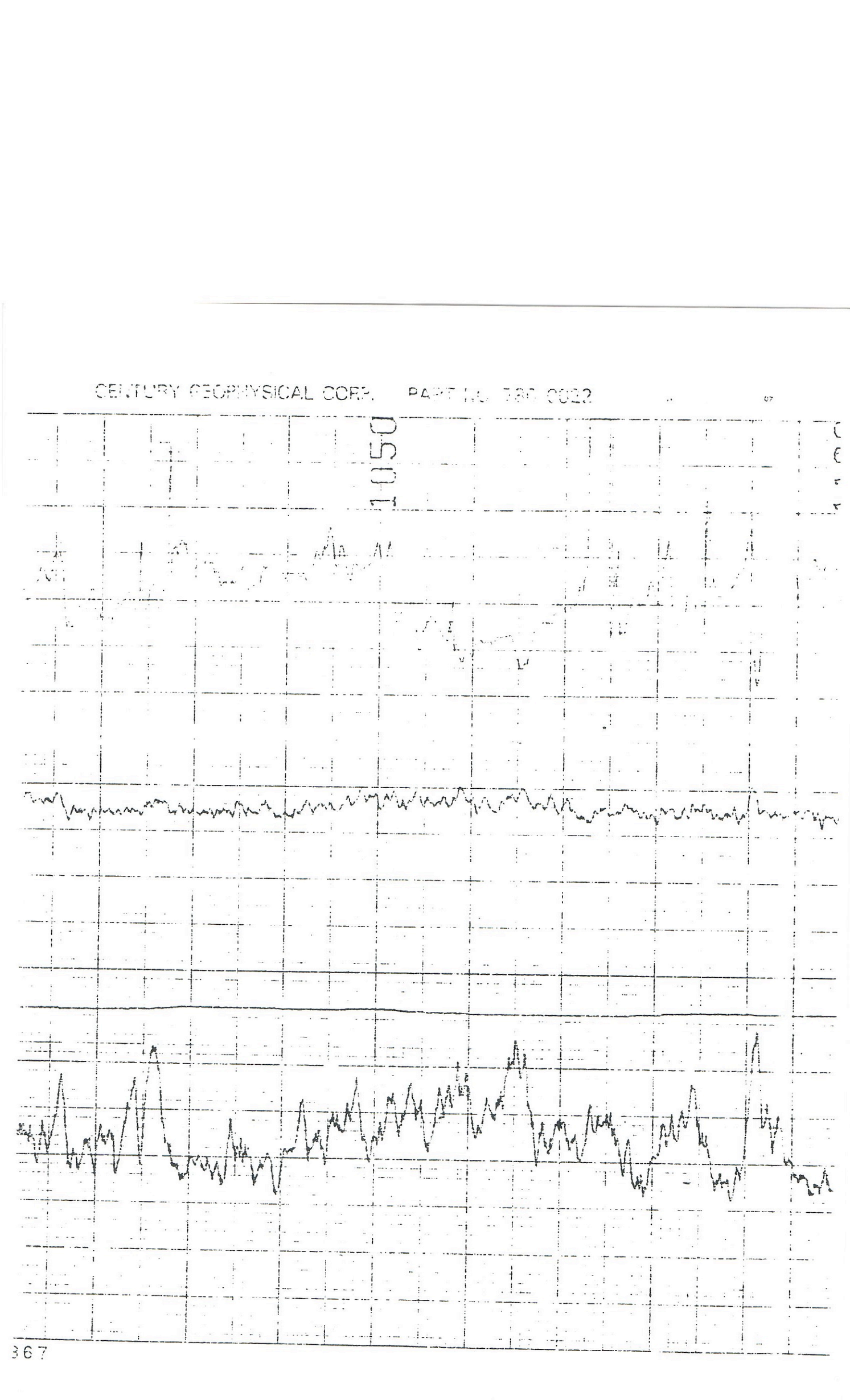
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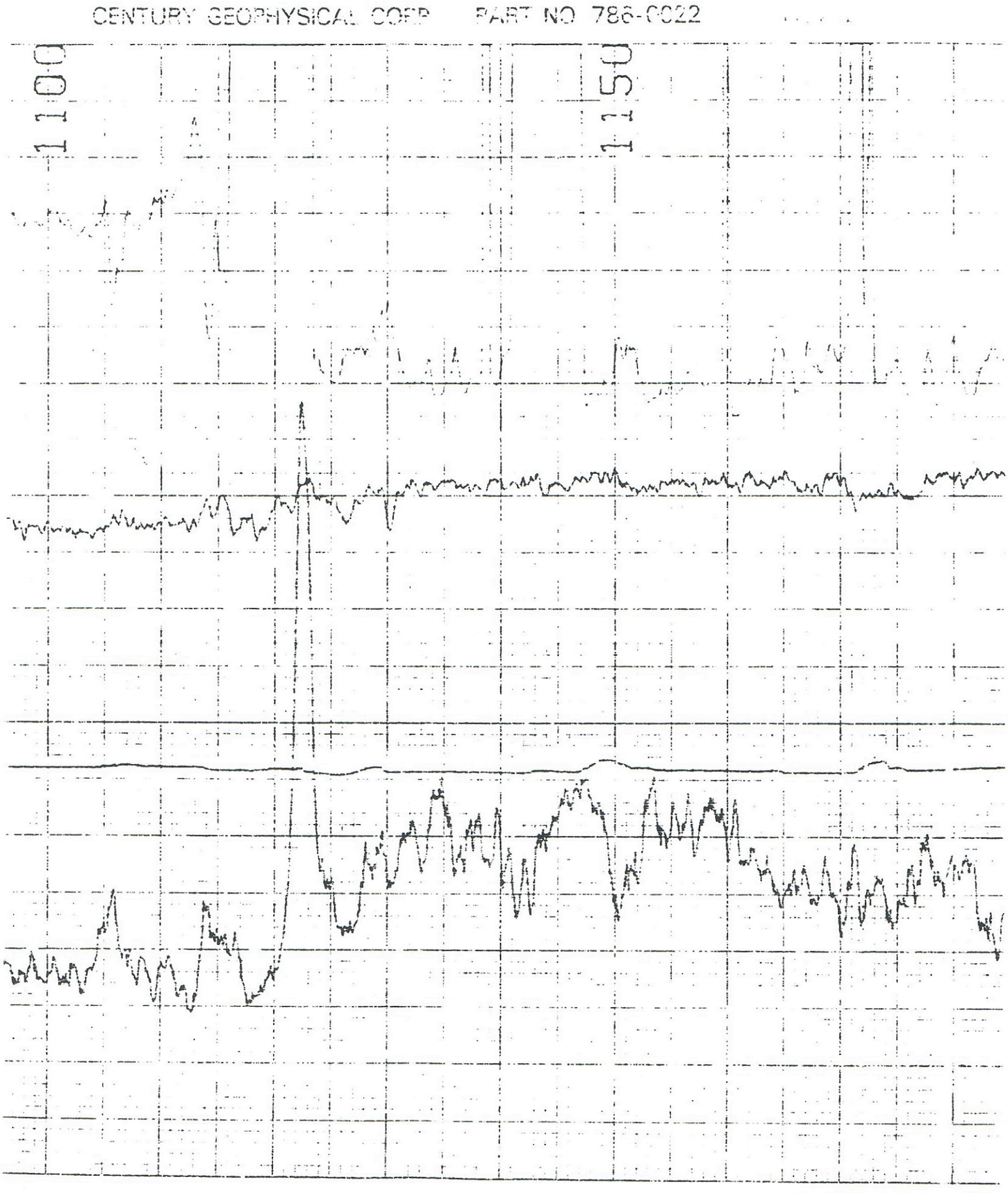
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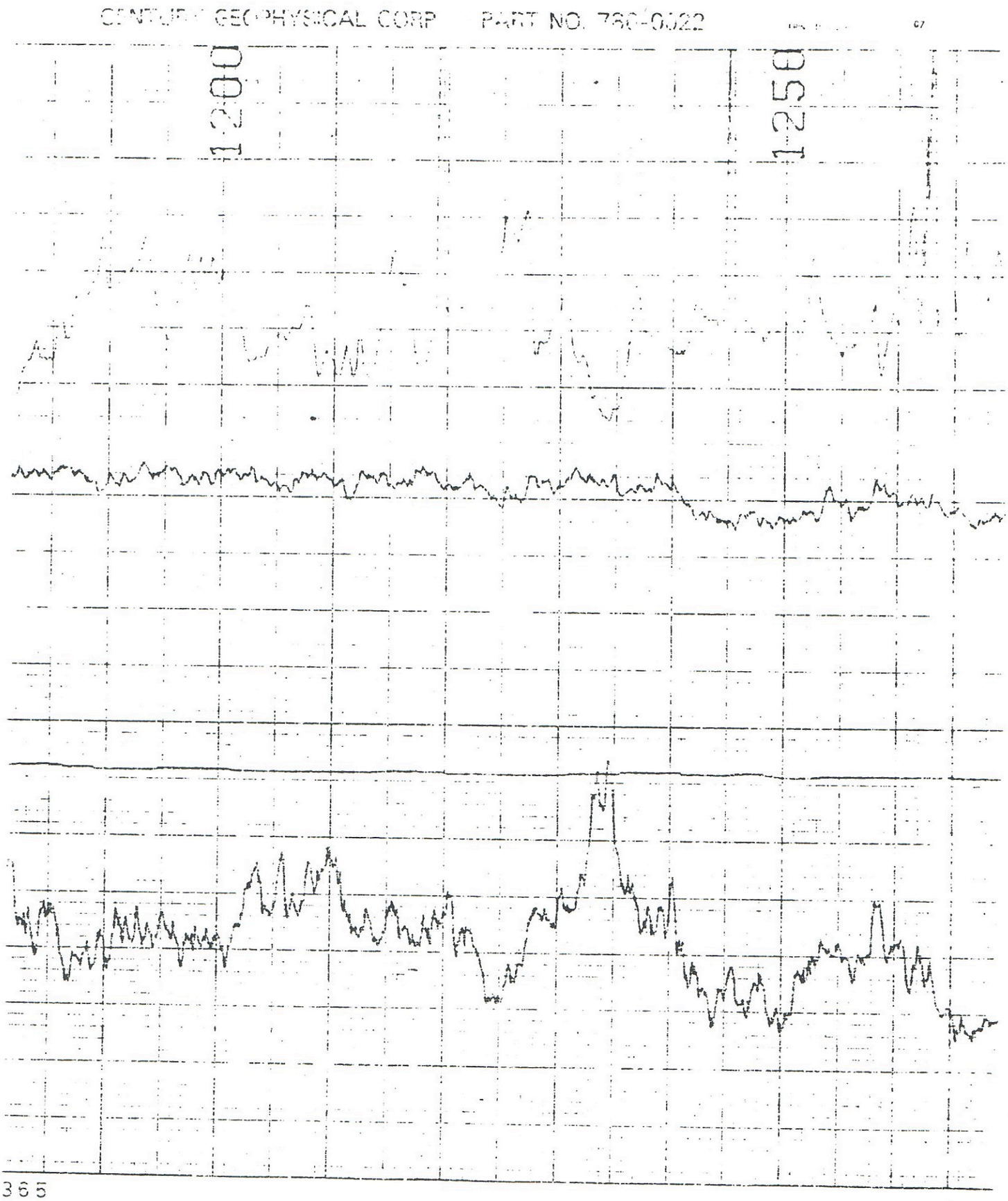
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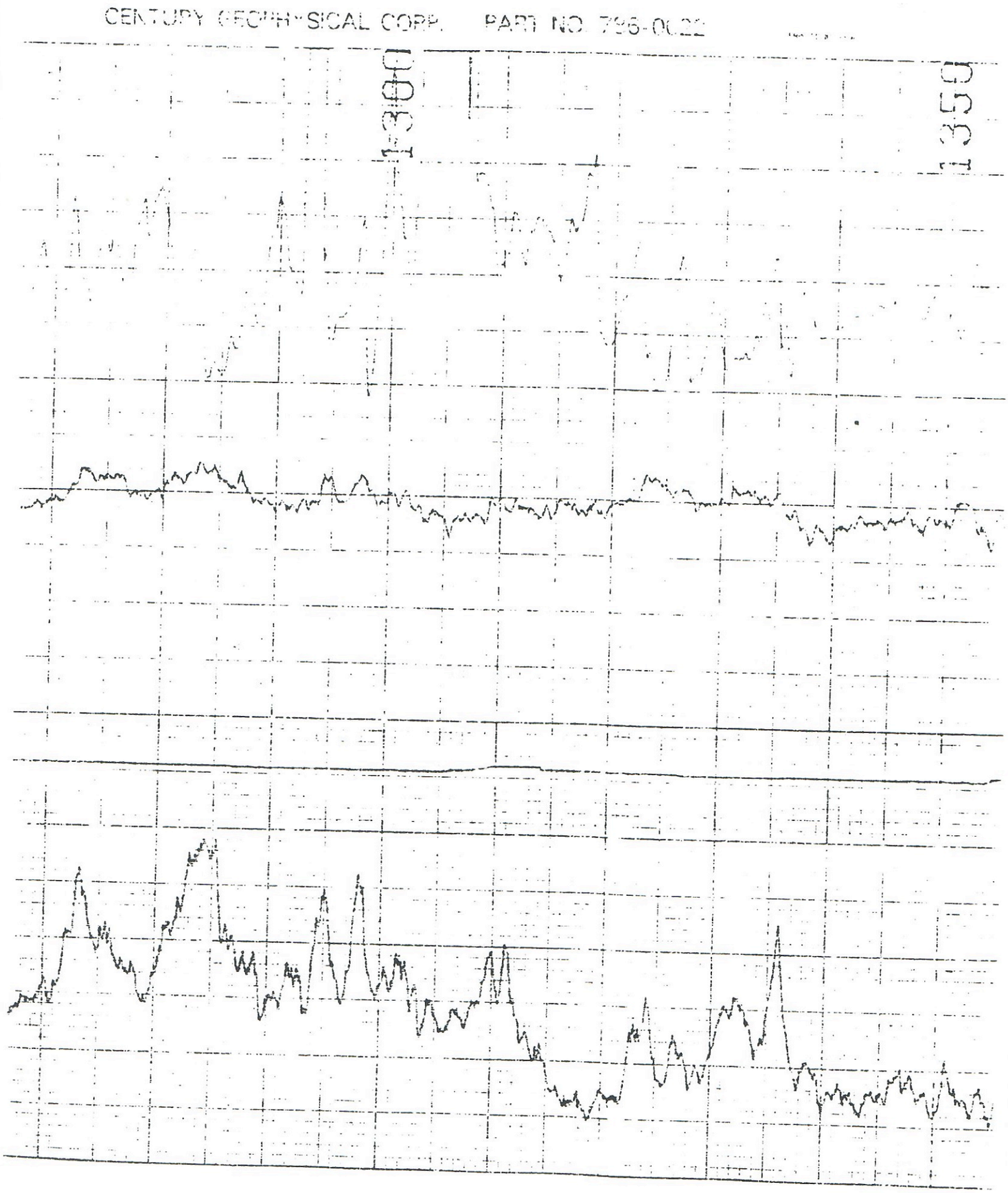
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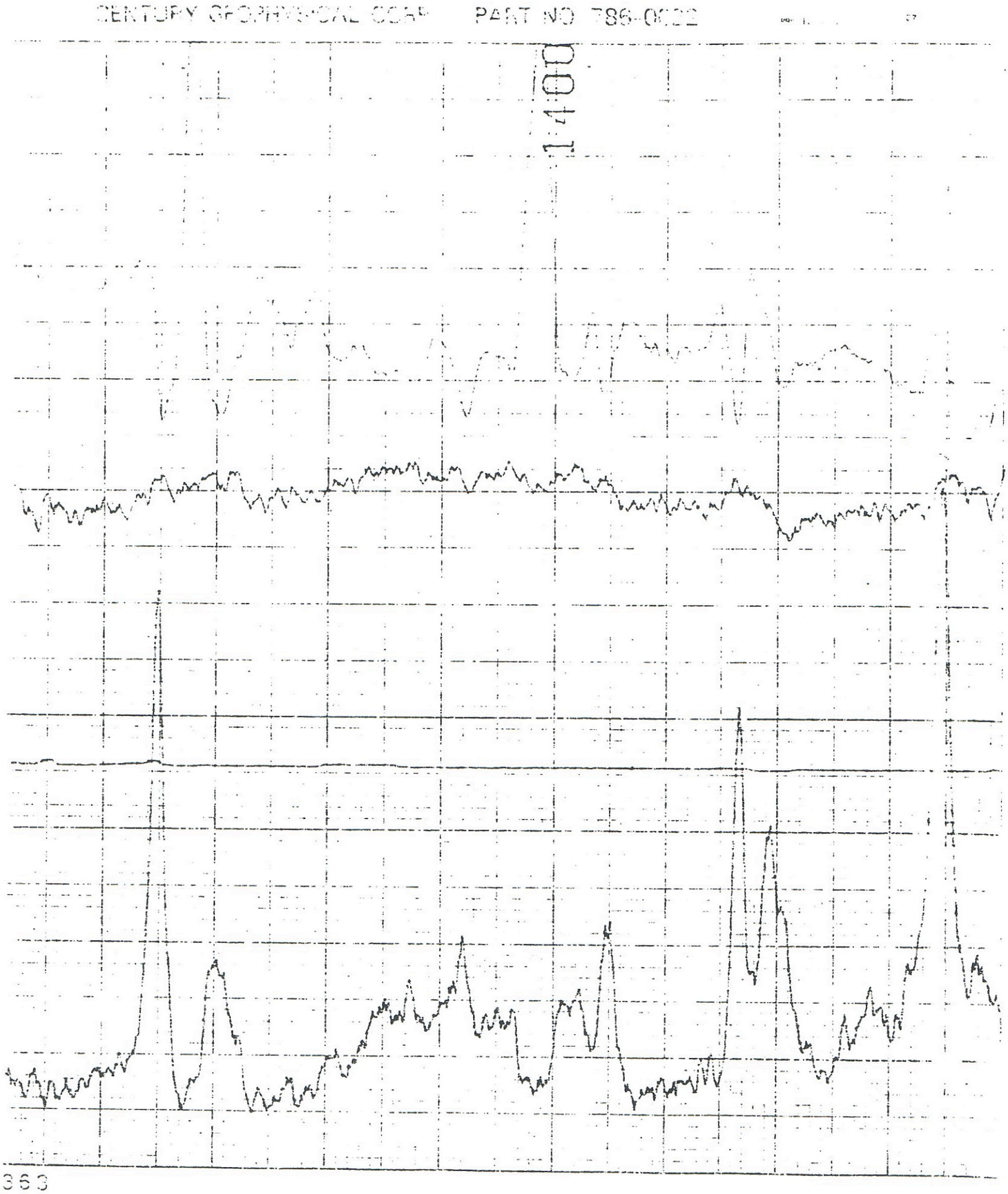
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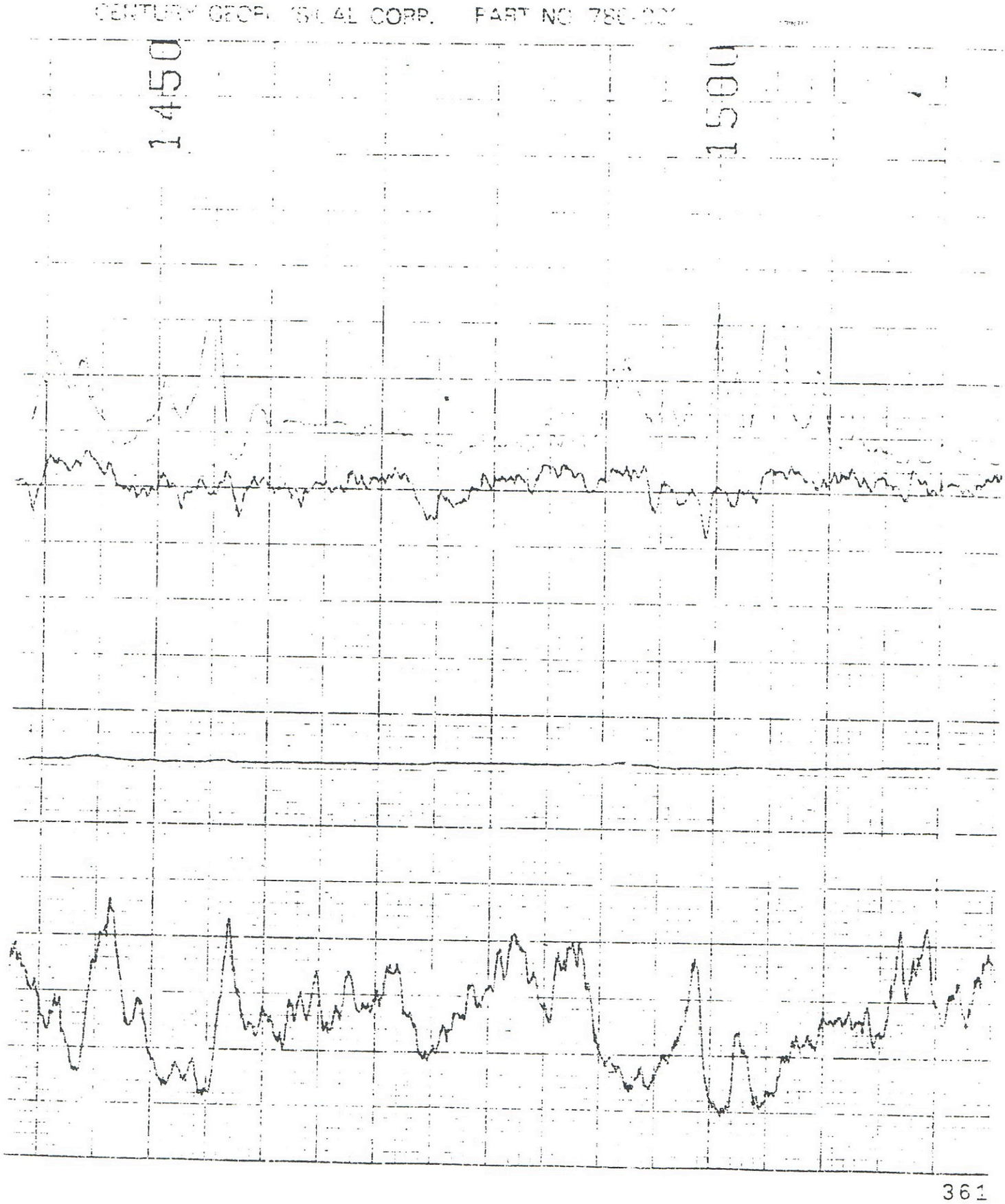
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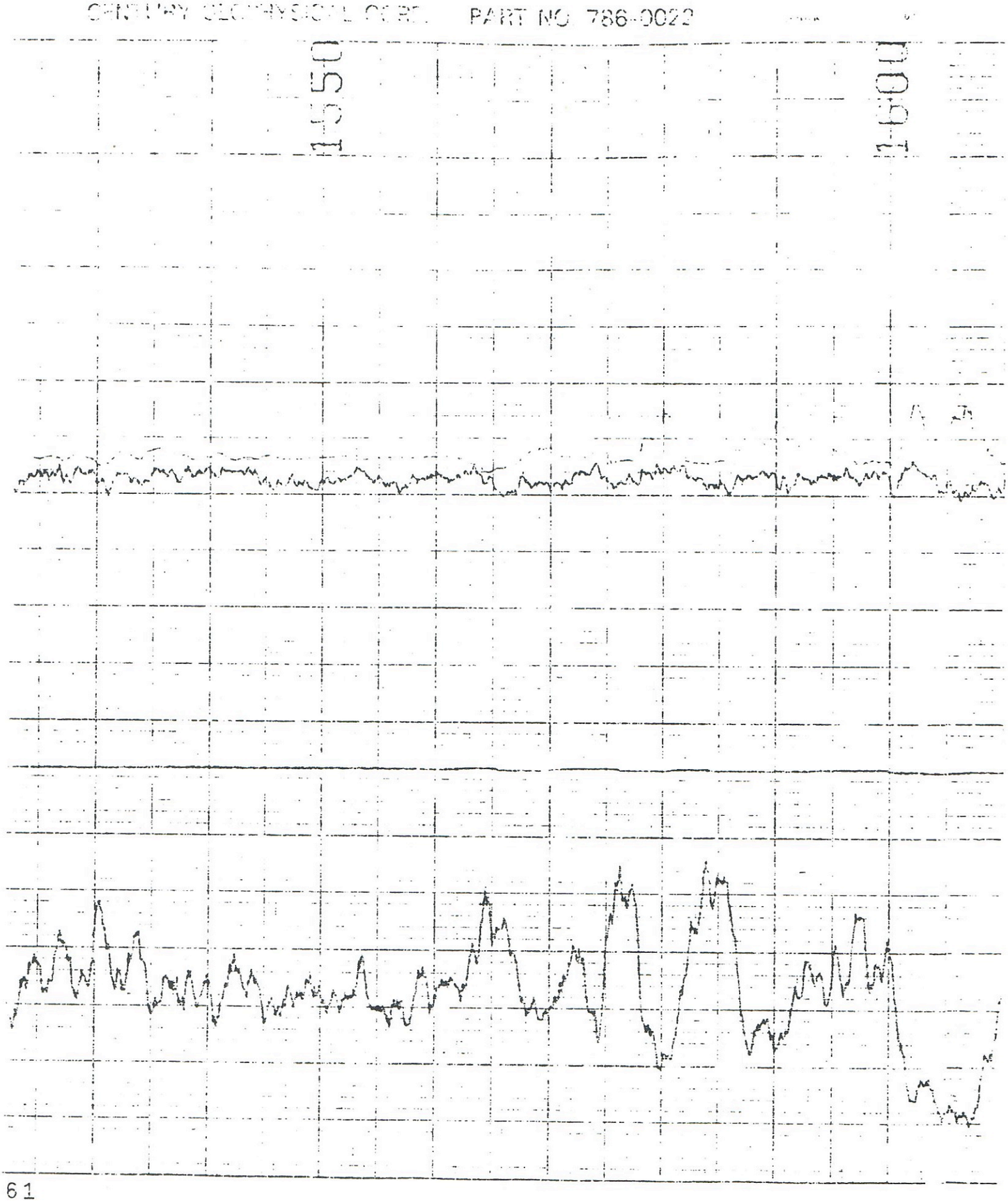
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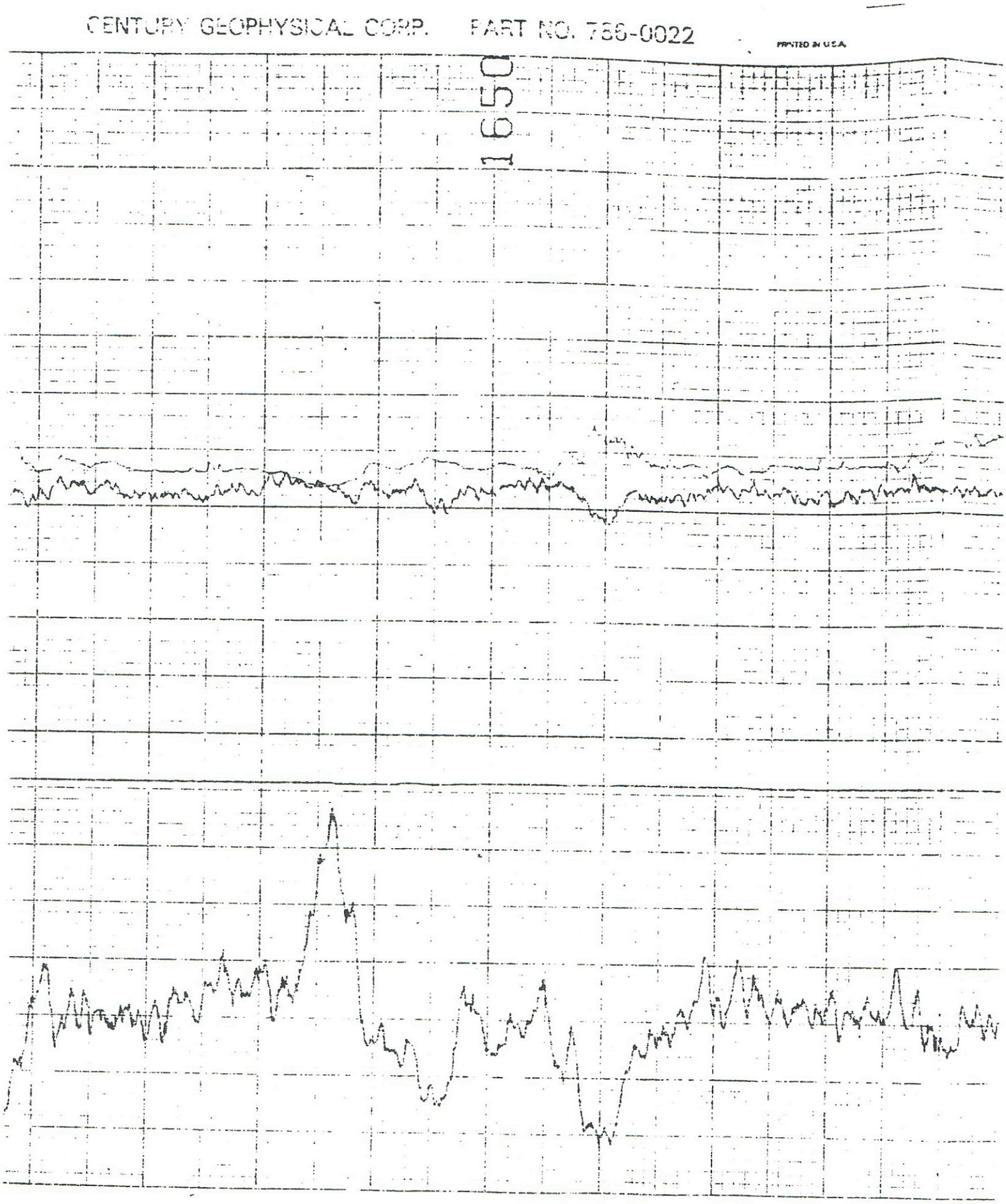
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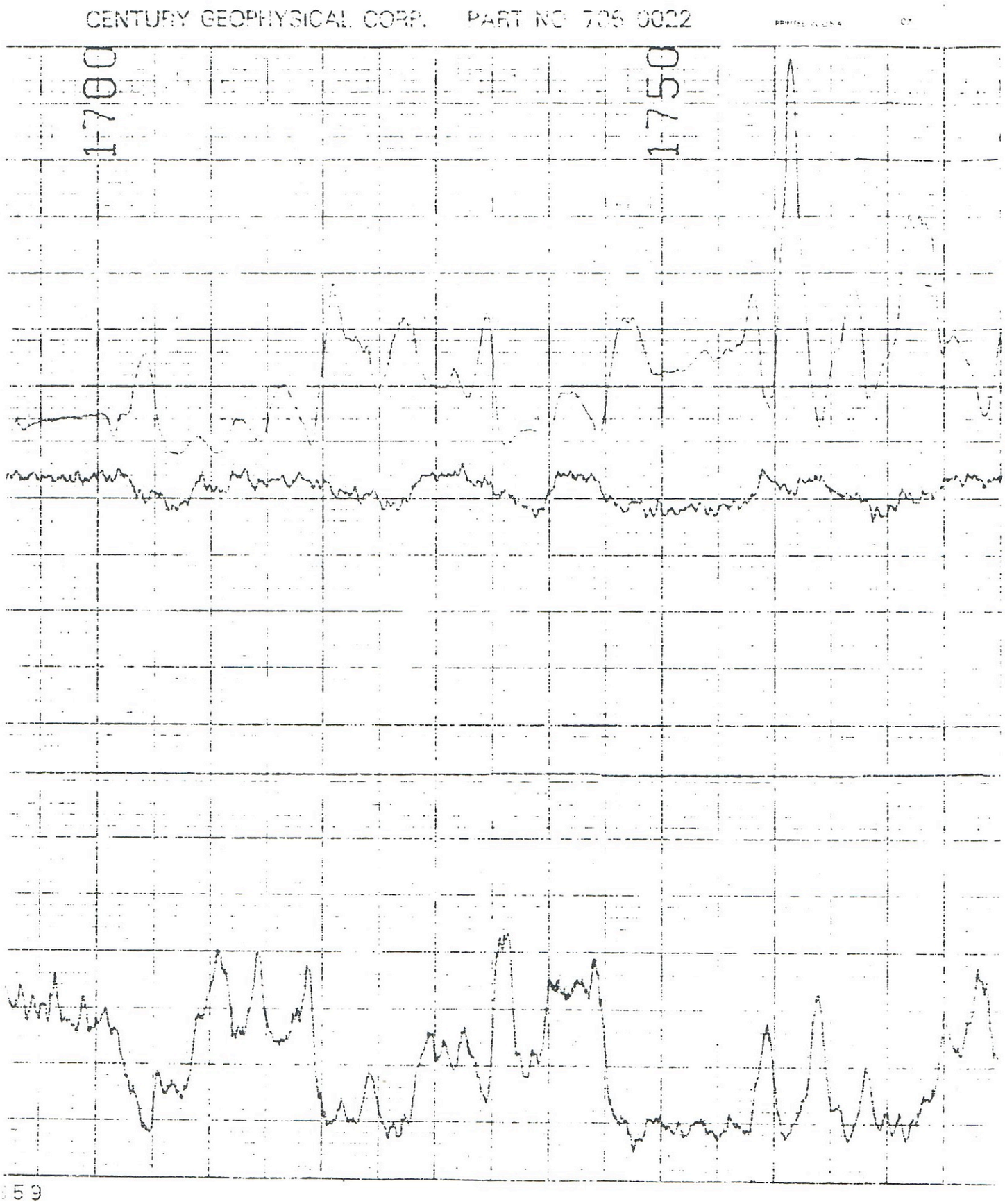
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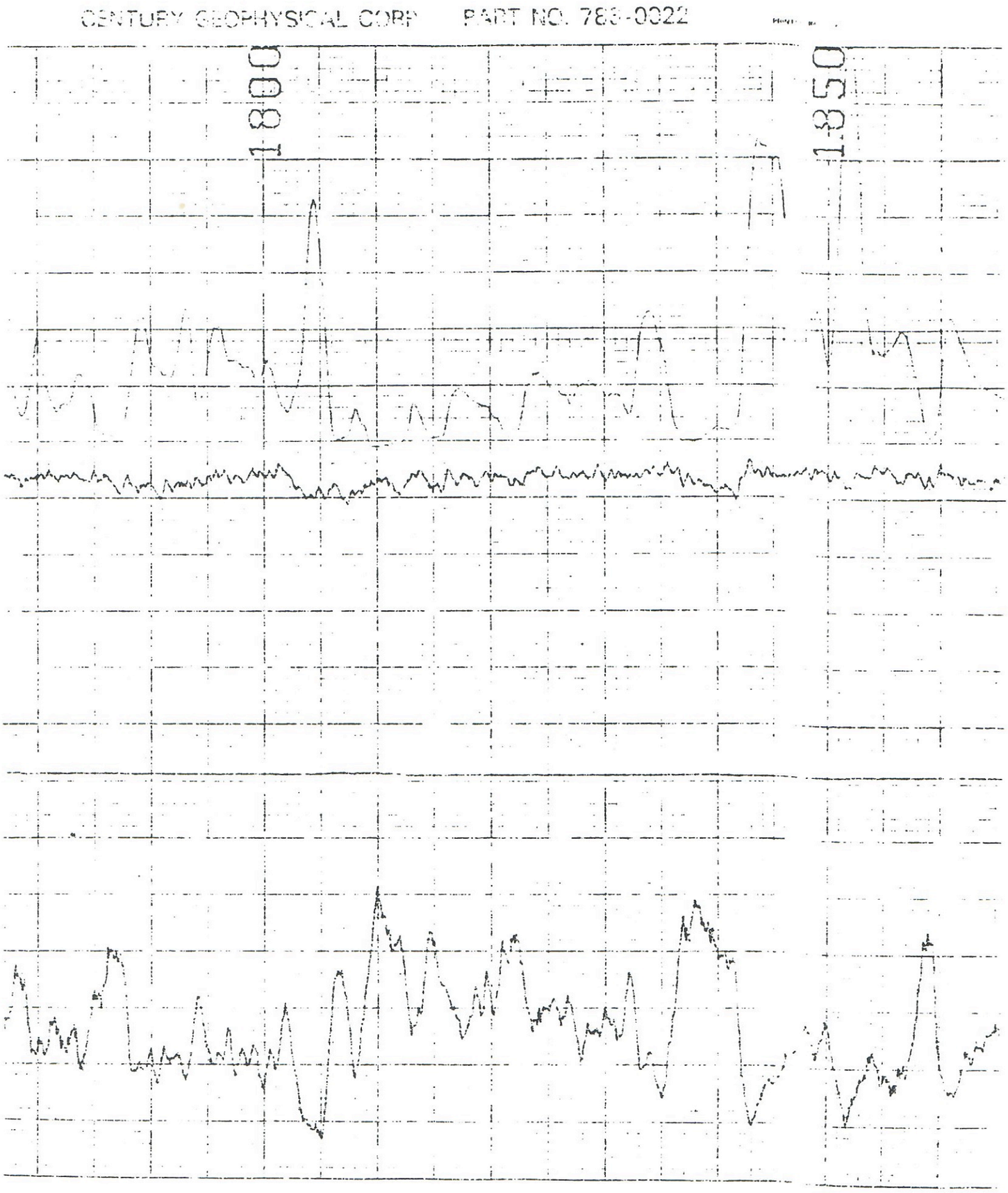
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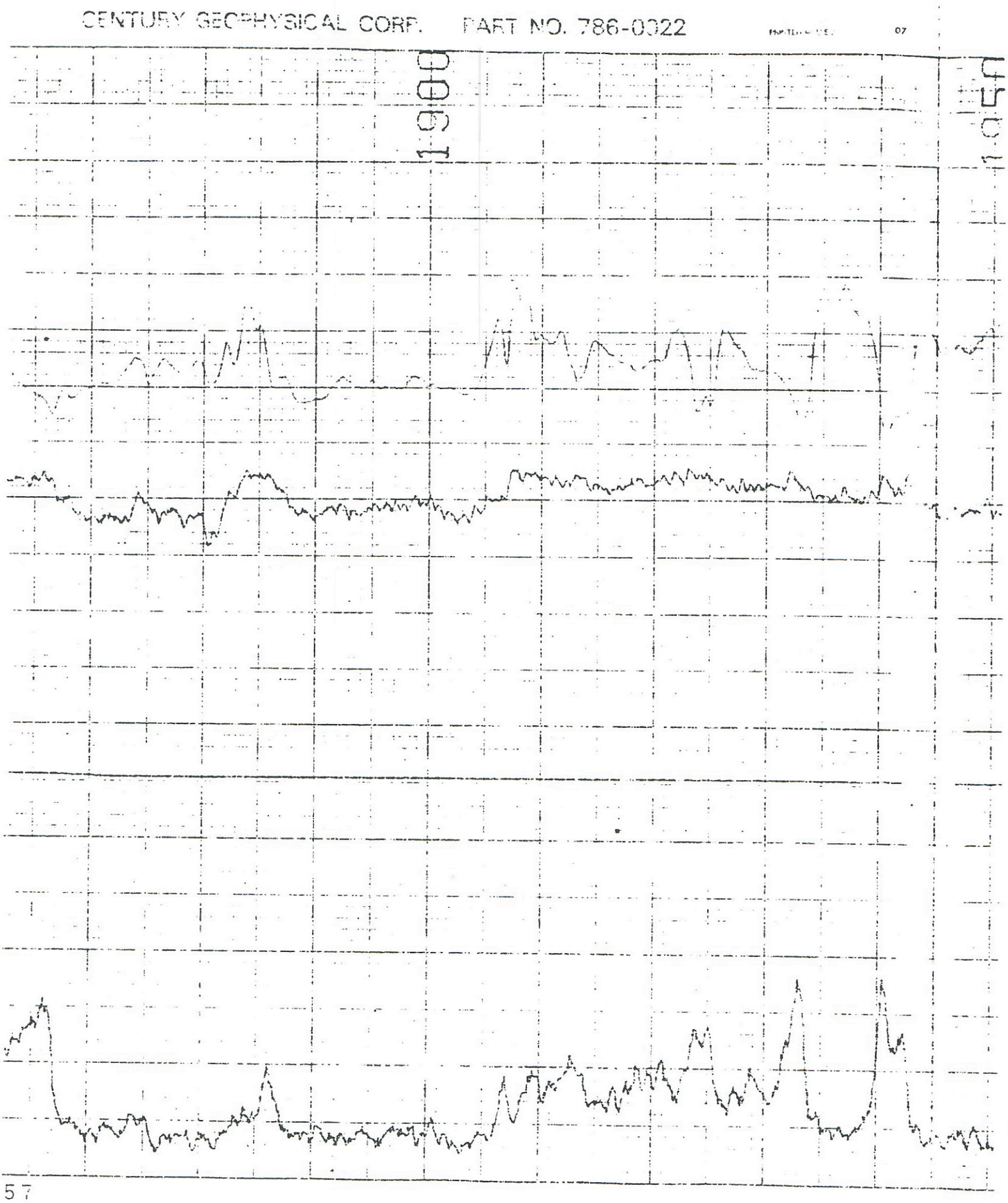
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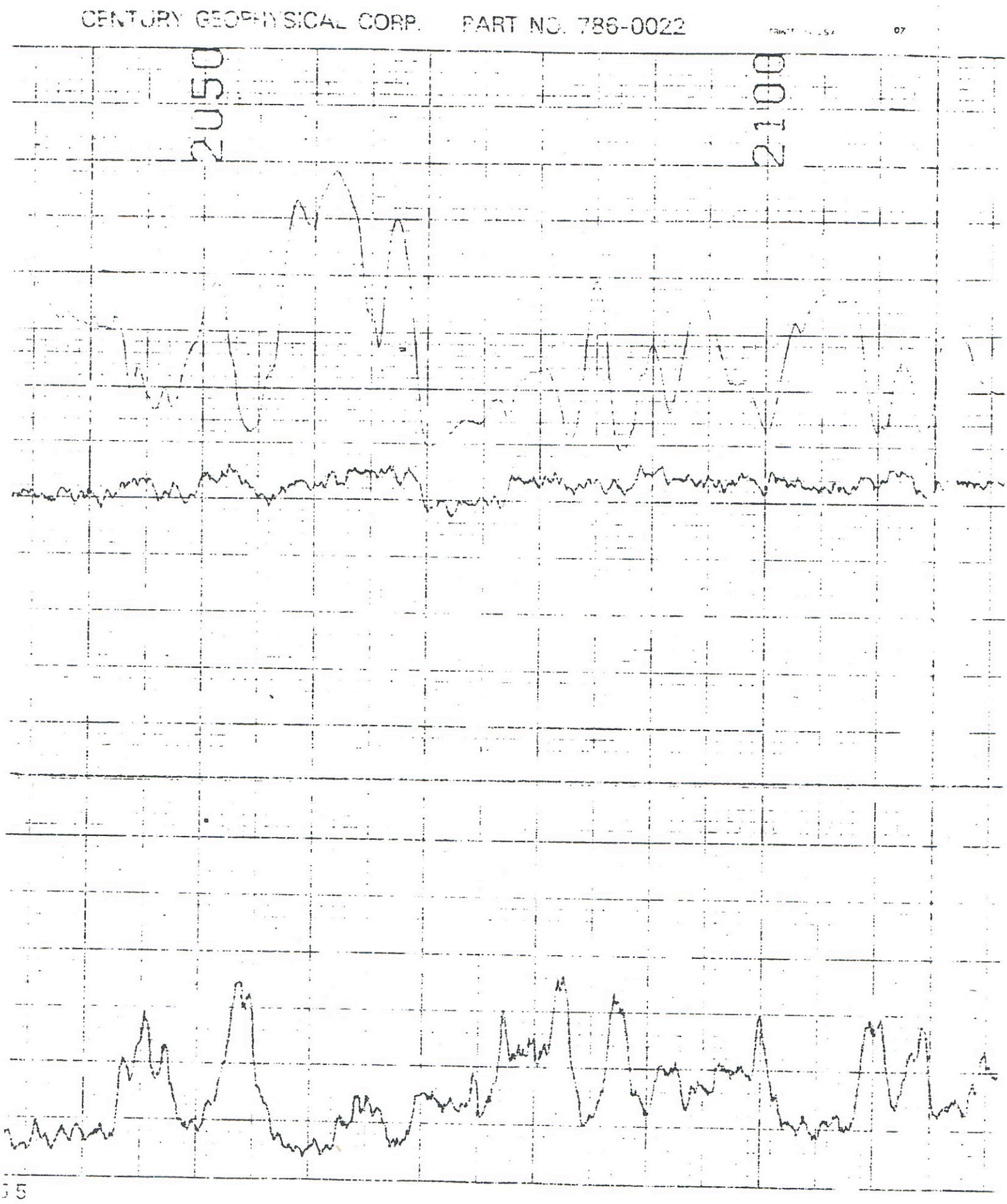
CENTURY GEOPHYSICAL CORP. PART NO. 736-C022
1950
2000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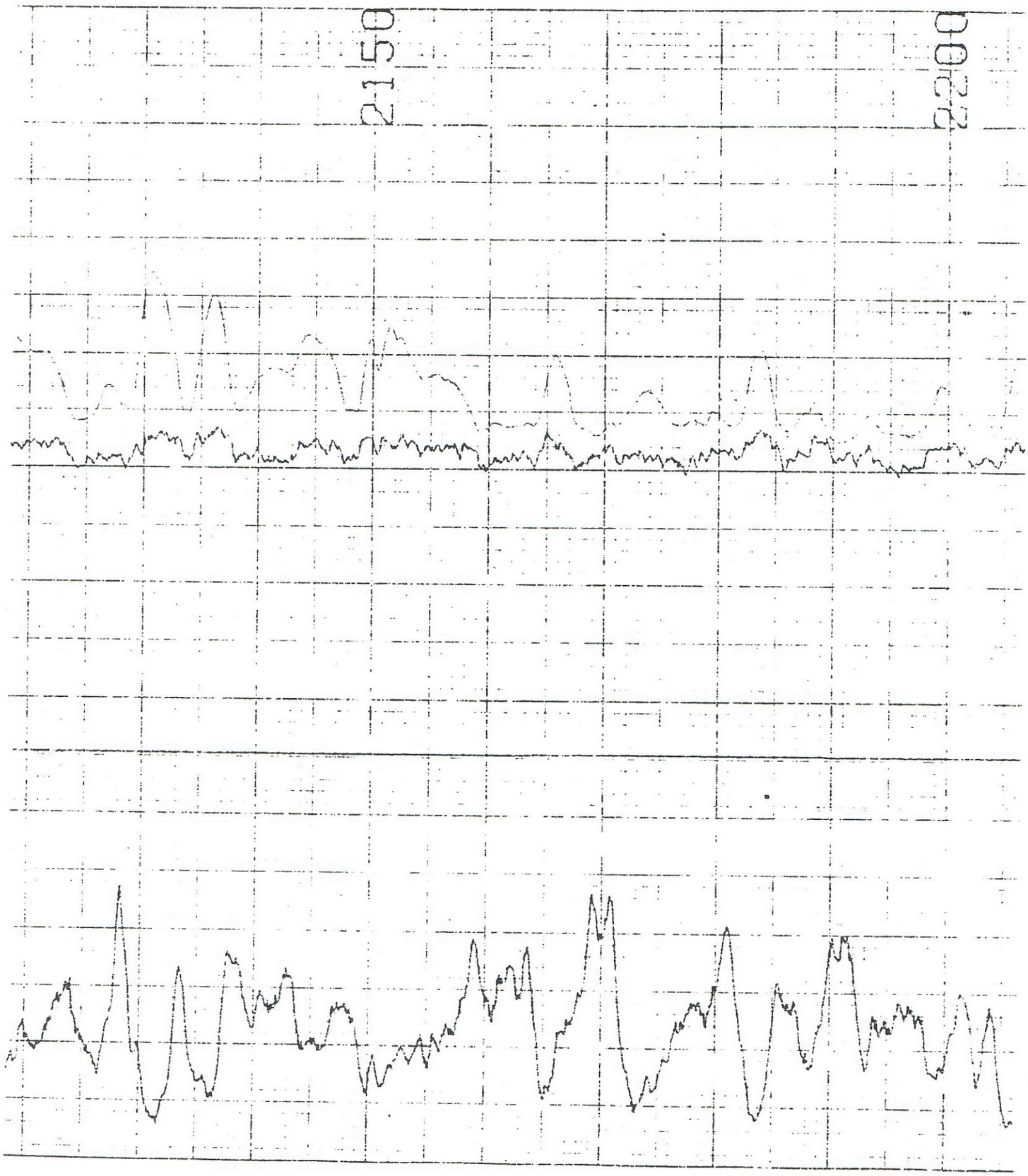
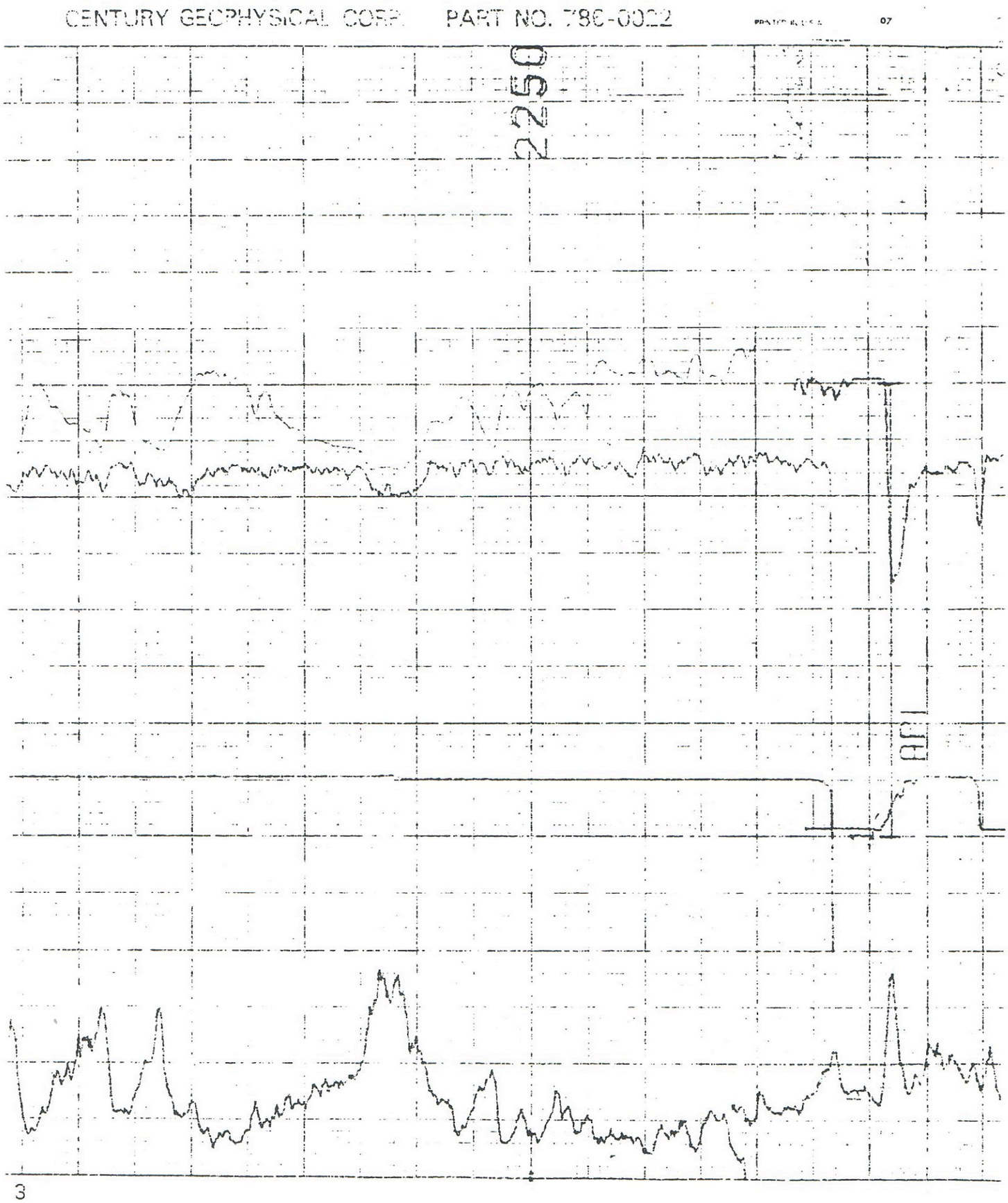
CENTURY GEOPHYSICAL CORP. PART NO. 786-0022

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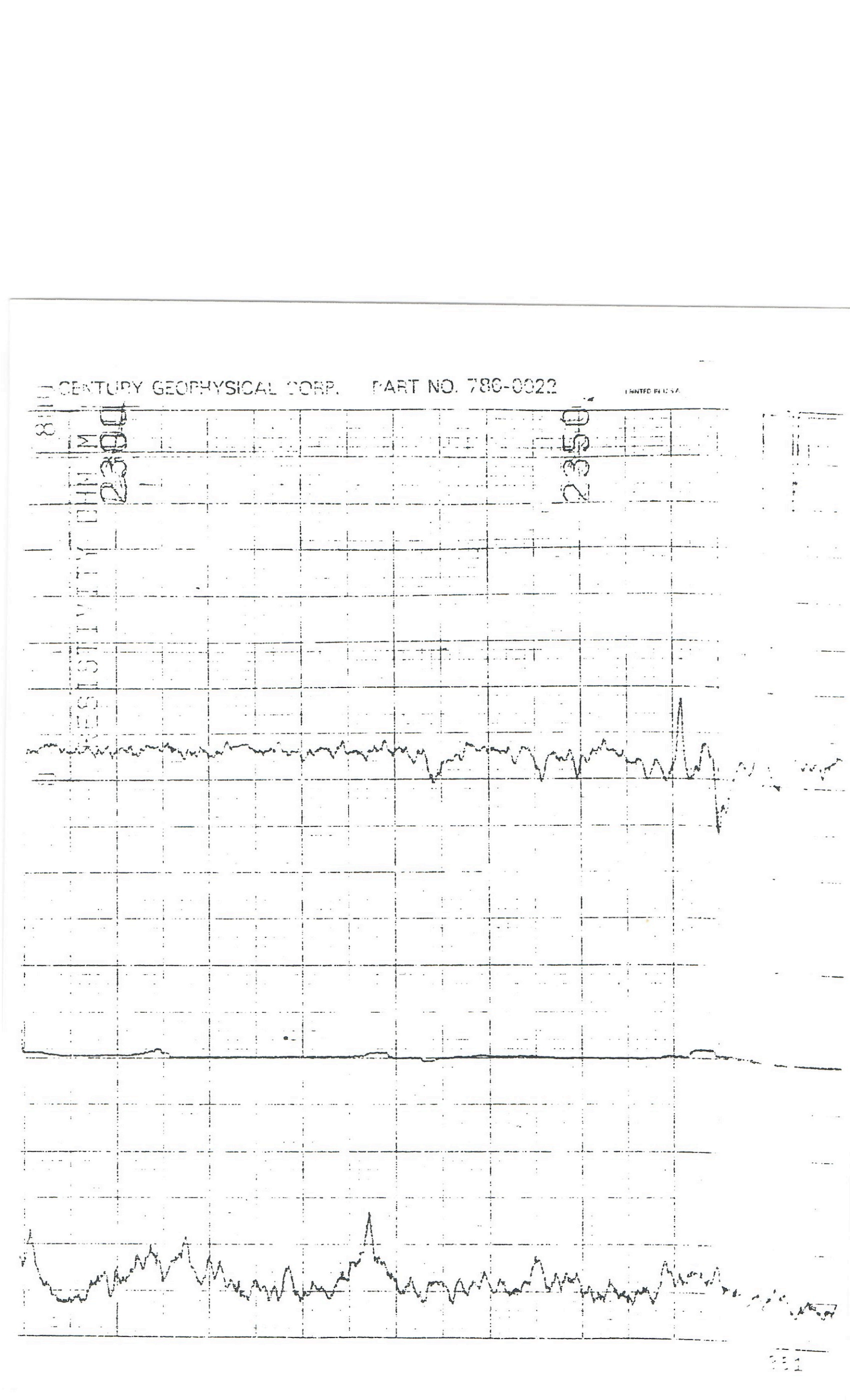
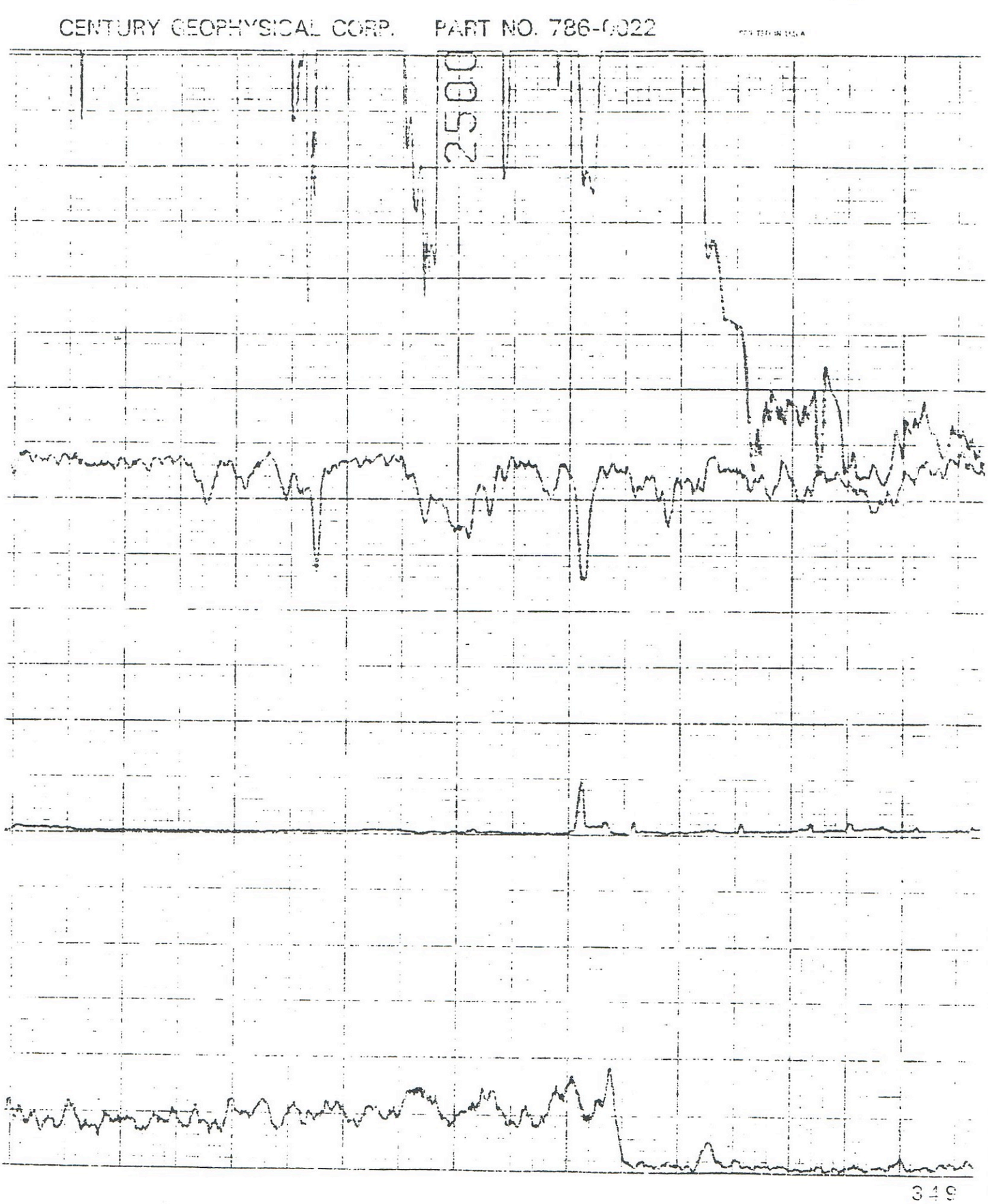
2500
RUN


CENTURY GEOPHYSICAL CORP. PART NO. 786-0022
MADE IN U.S.A.
8"
MODEL 2510
SERIAL NO. 2
TEST

CENTURY GEOPHYSICAL CORP. PART NO. 786-0022
2460
2450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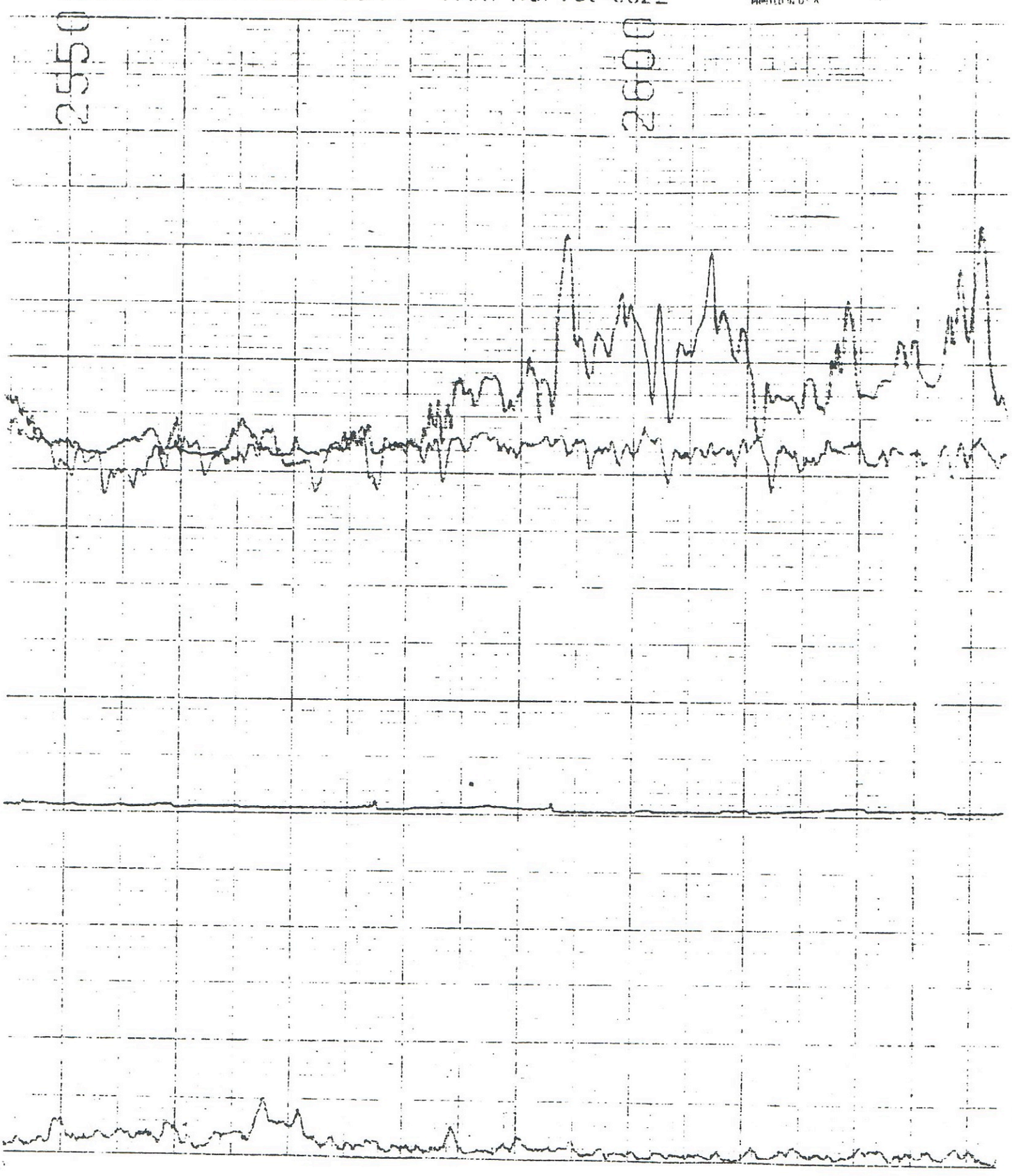
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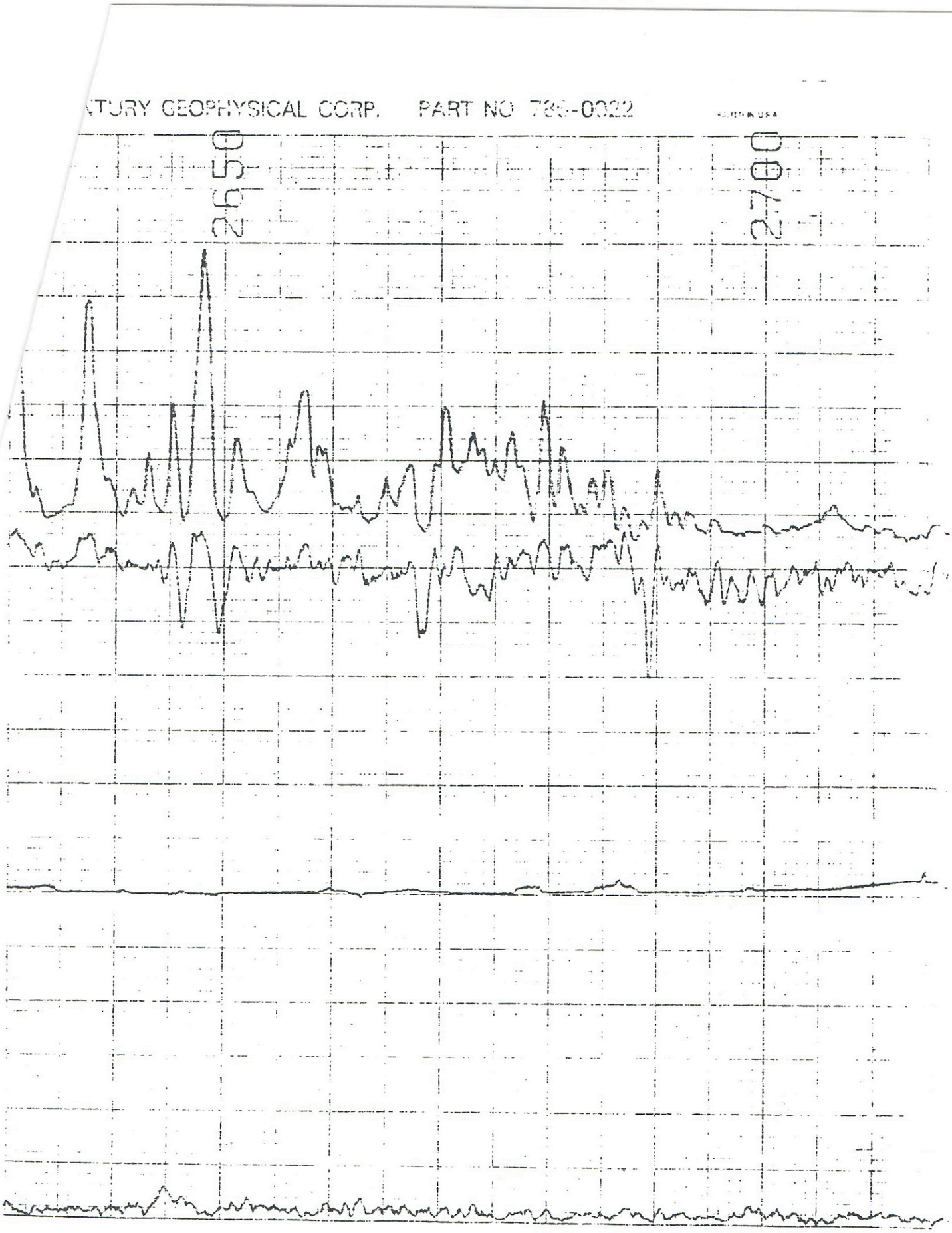
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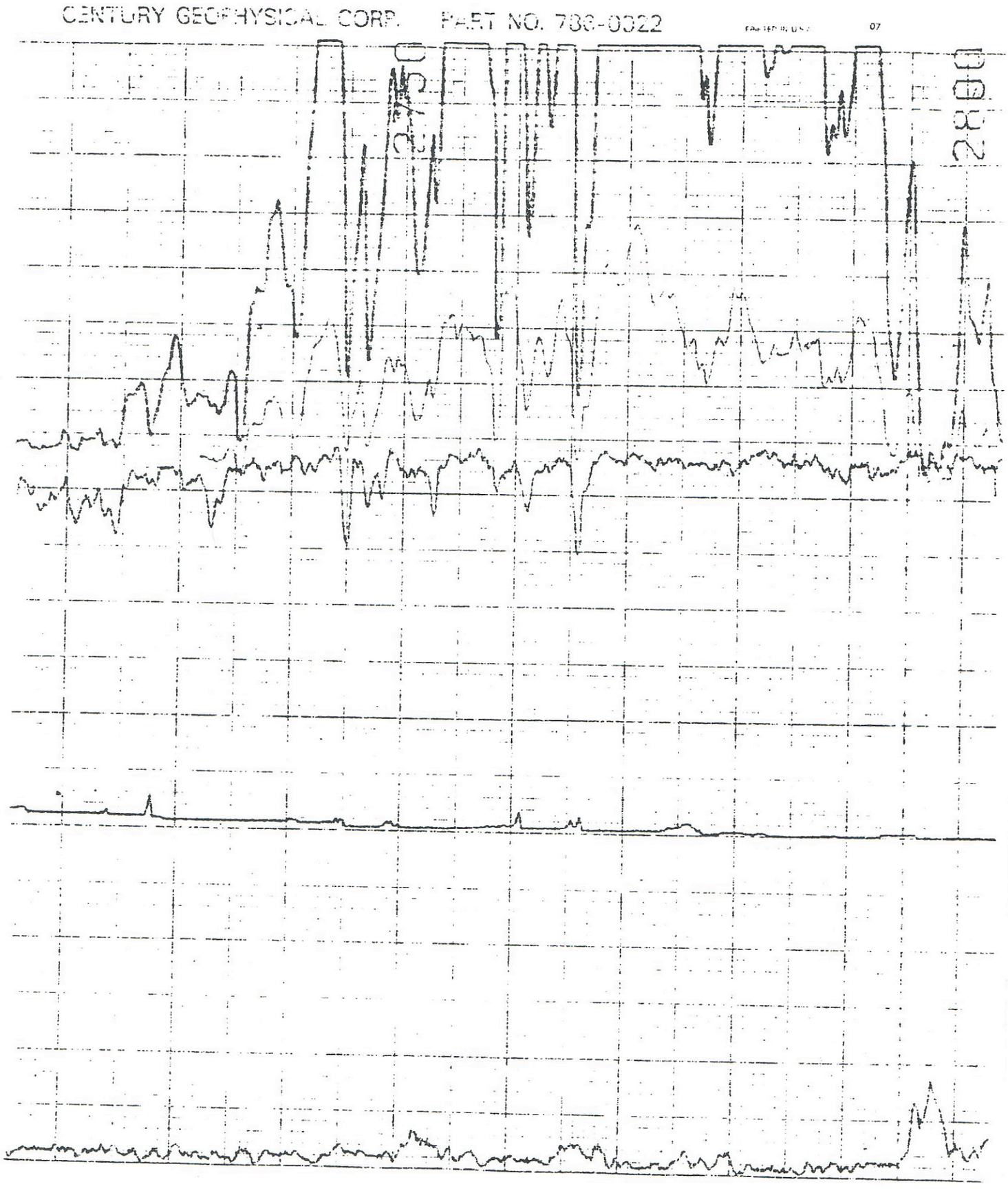
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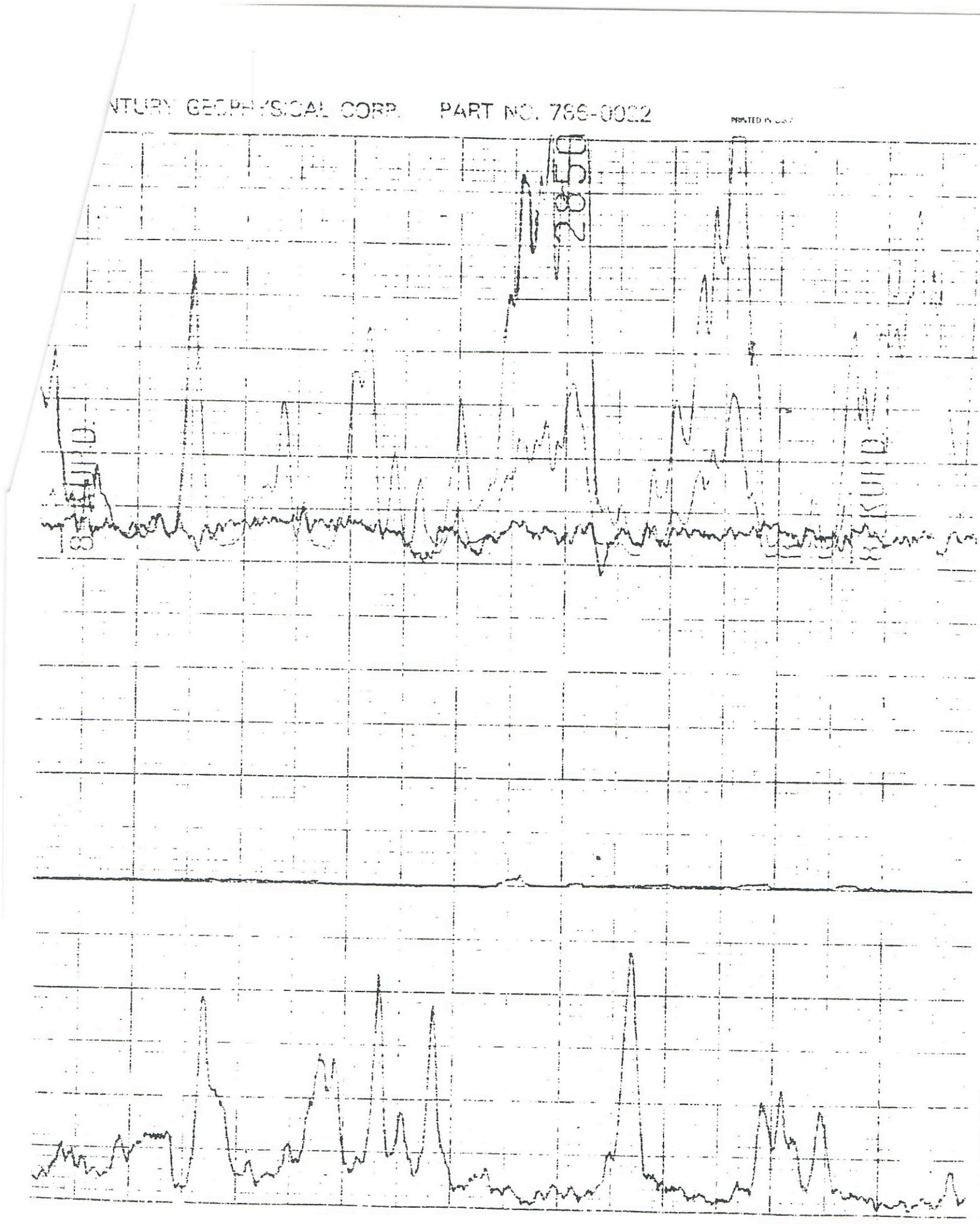
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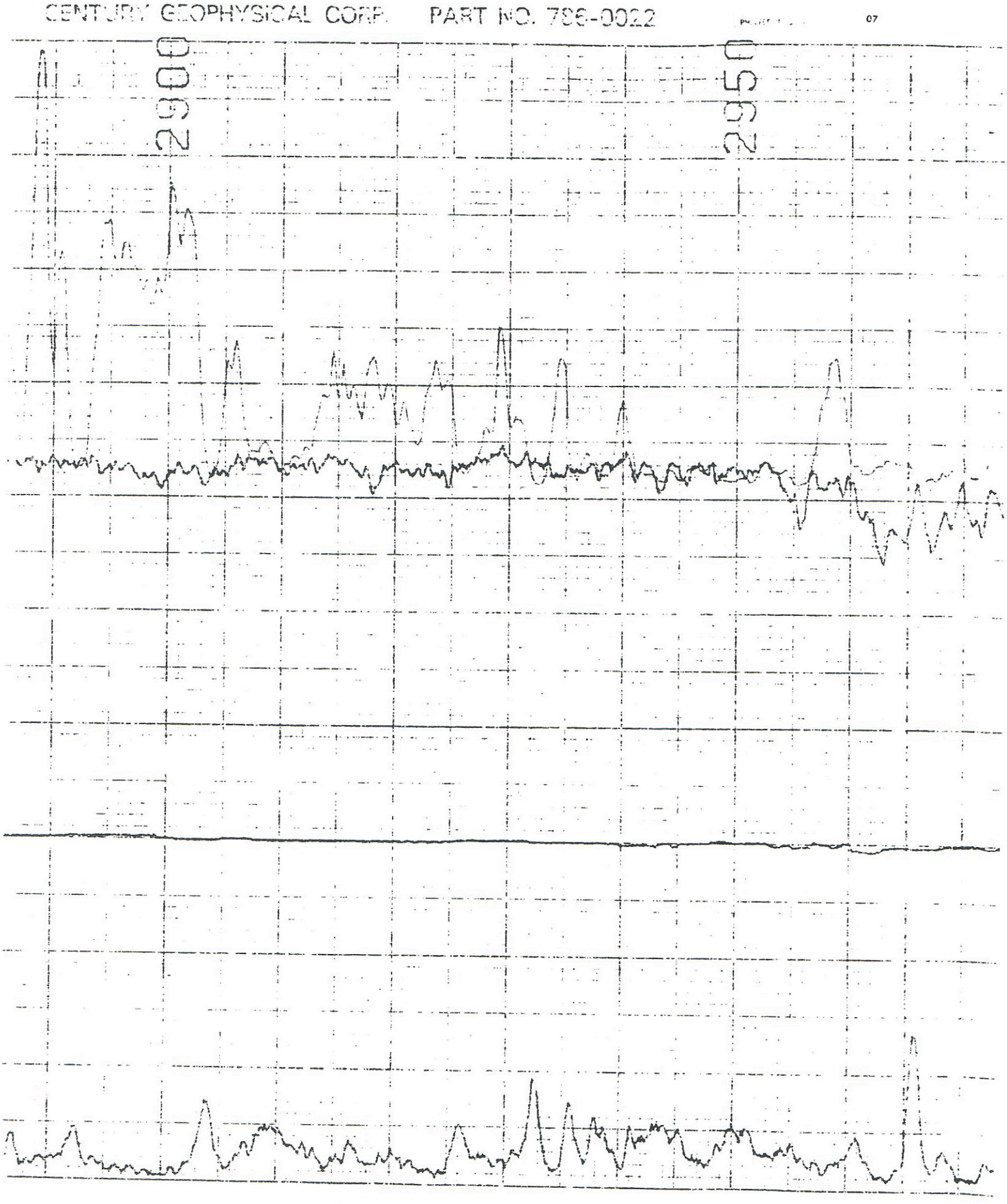
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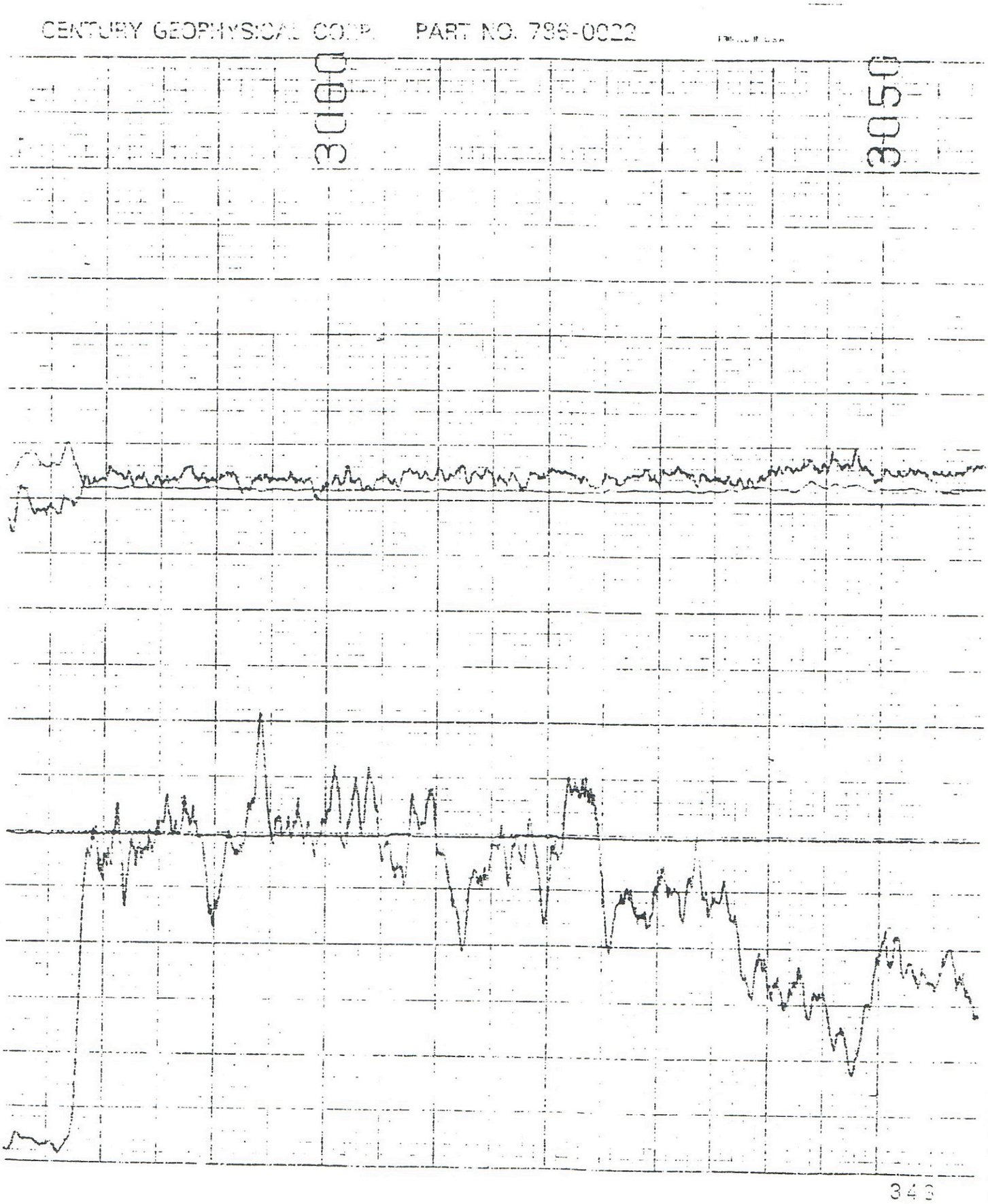
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GAMMA KCPS

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CALIPER IN

1

RESISTIVITY KOHM-M

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3

APPARENT G/CC

COMPU-LOG V8L2 PLOT 11-30-86

55-515772

EGY.FULS.NUCL.INC.

TUSAYAN

HOLE DIAMETER : 07.8

PROBE # 9030A1-407

SENSOR #4 CAL STD CPS = 6588

SENSOR #4 CAL RUN CPS = 5384

SENSOR #4 CAL BIAS = 15

DATA V8L2*A TRUCK # 7657

I.E.ALANIZ APPL.#3150-M

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PRINTED IN U.S.A.

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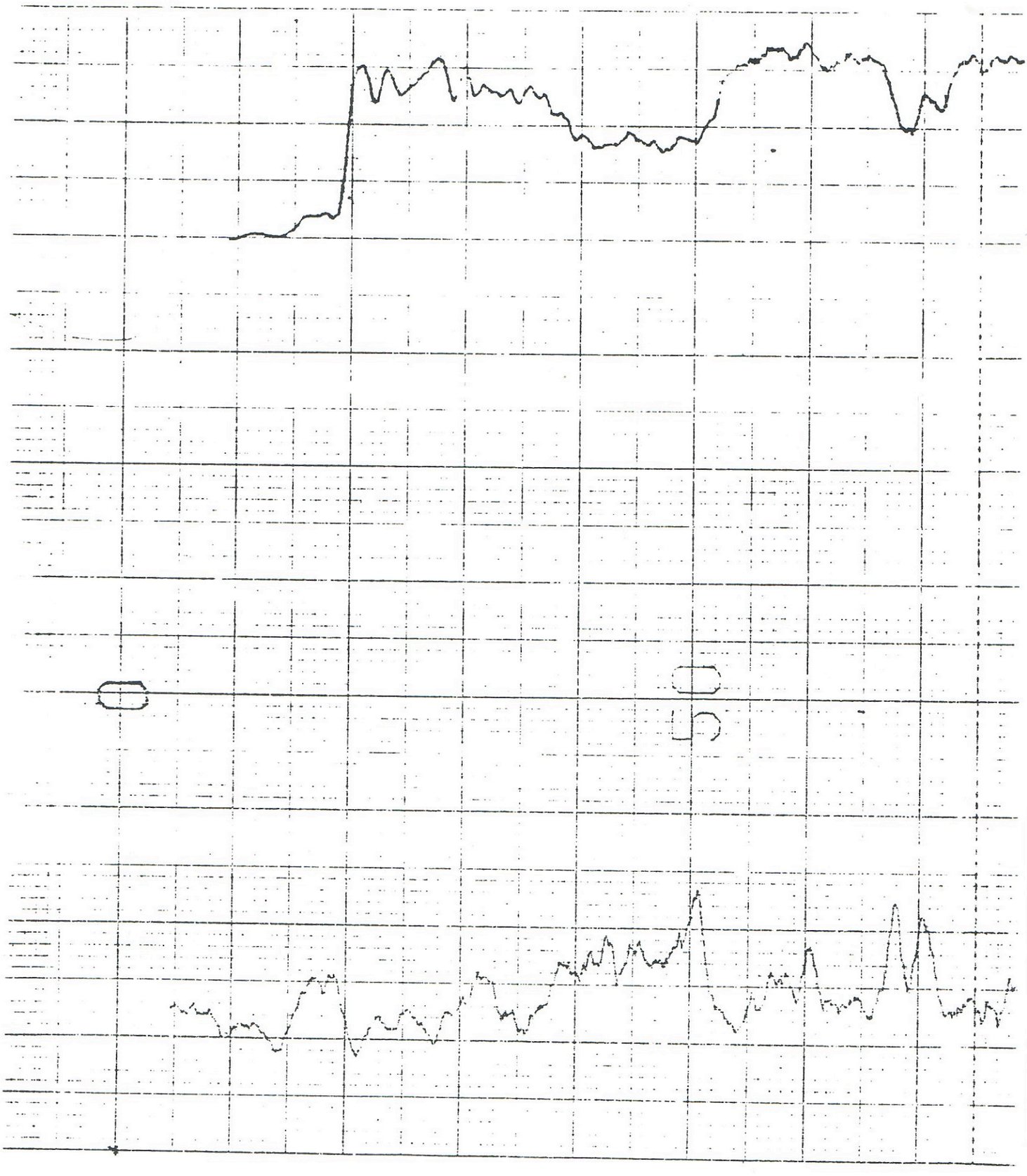

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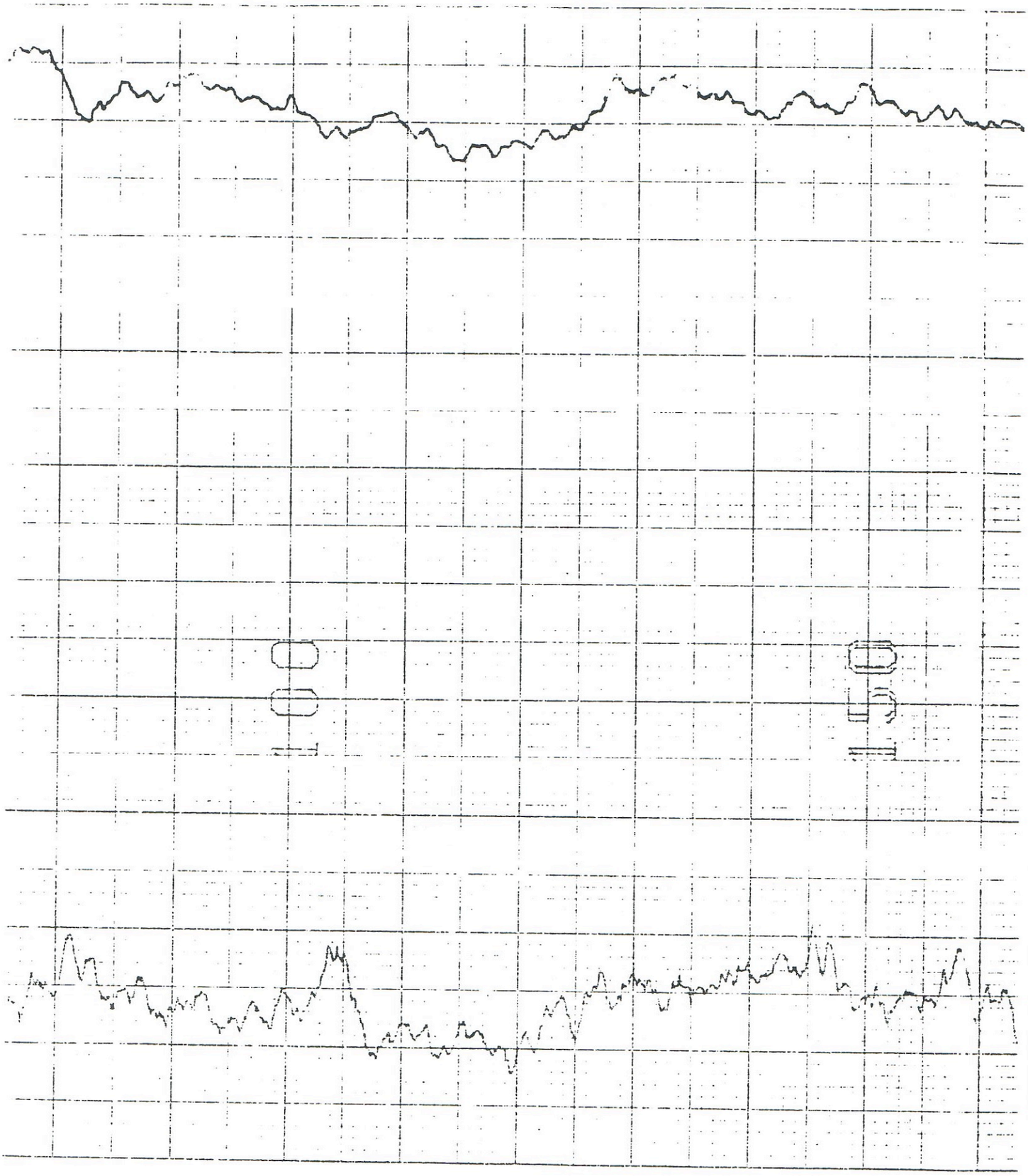

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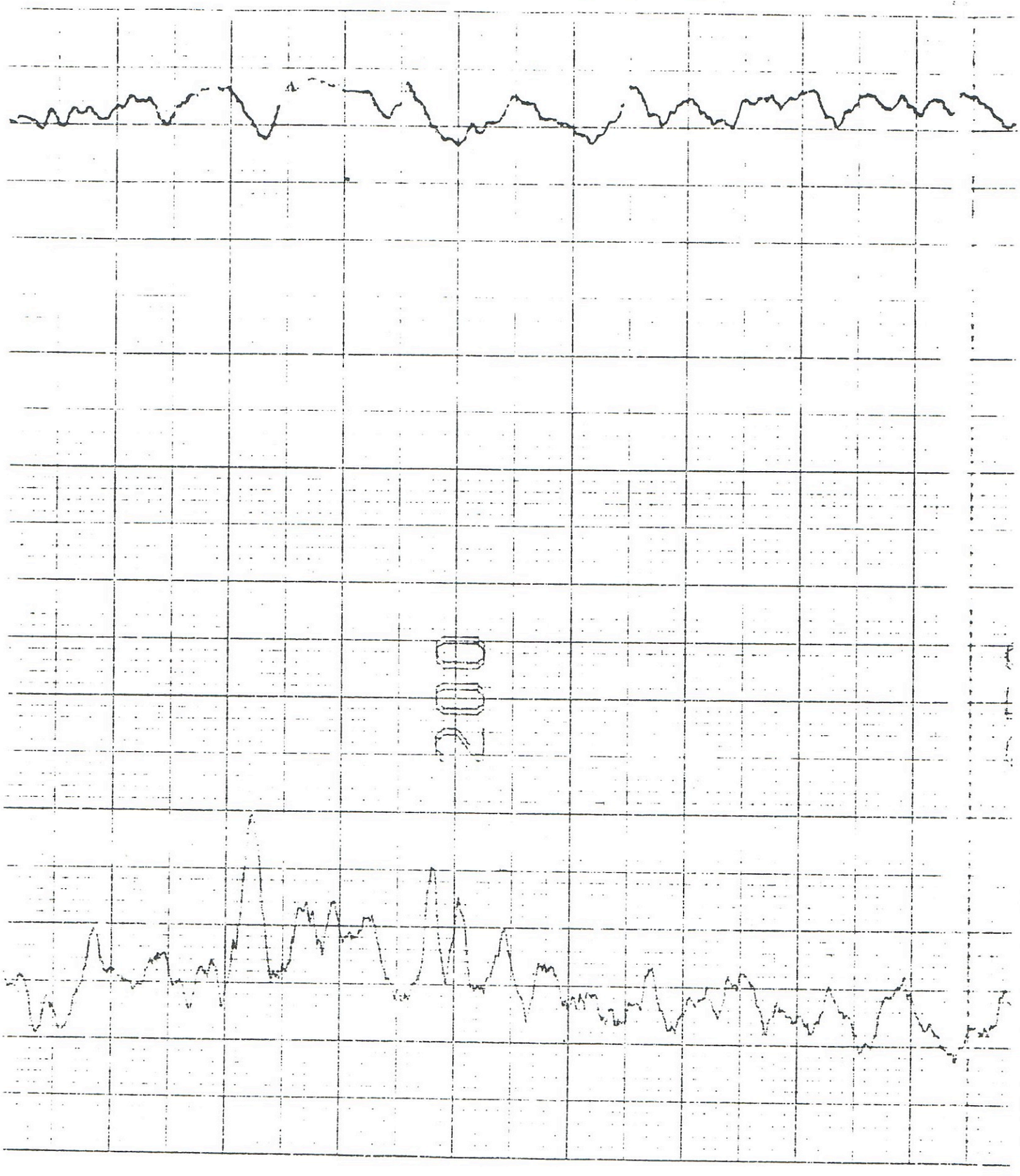

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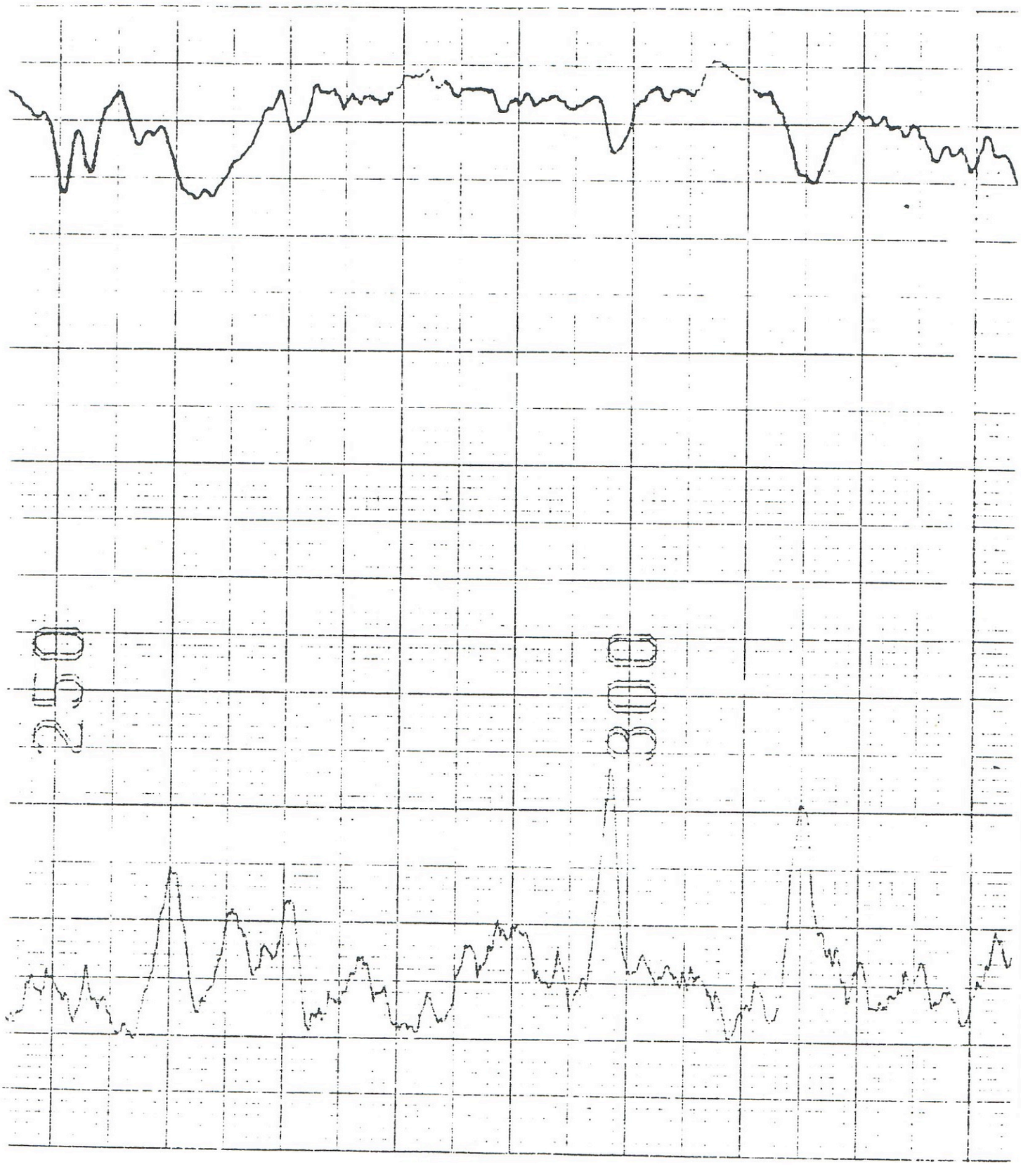

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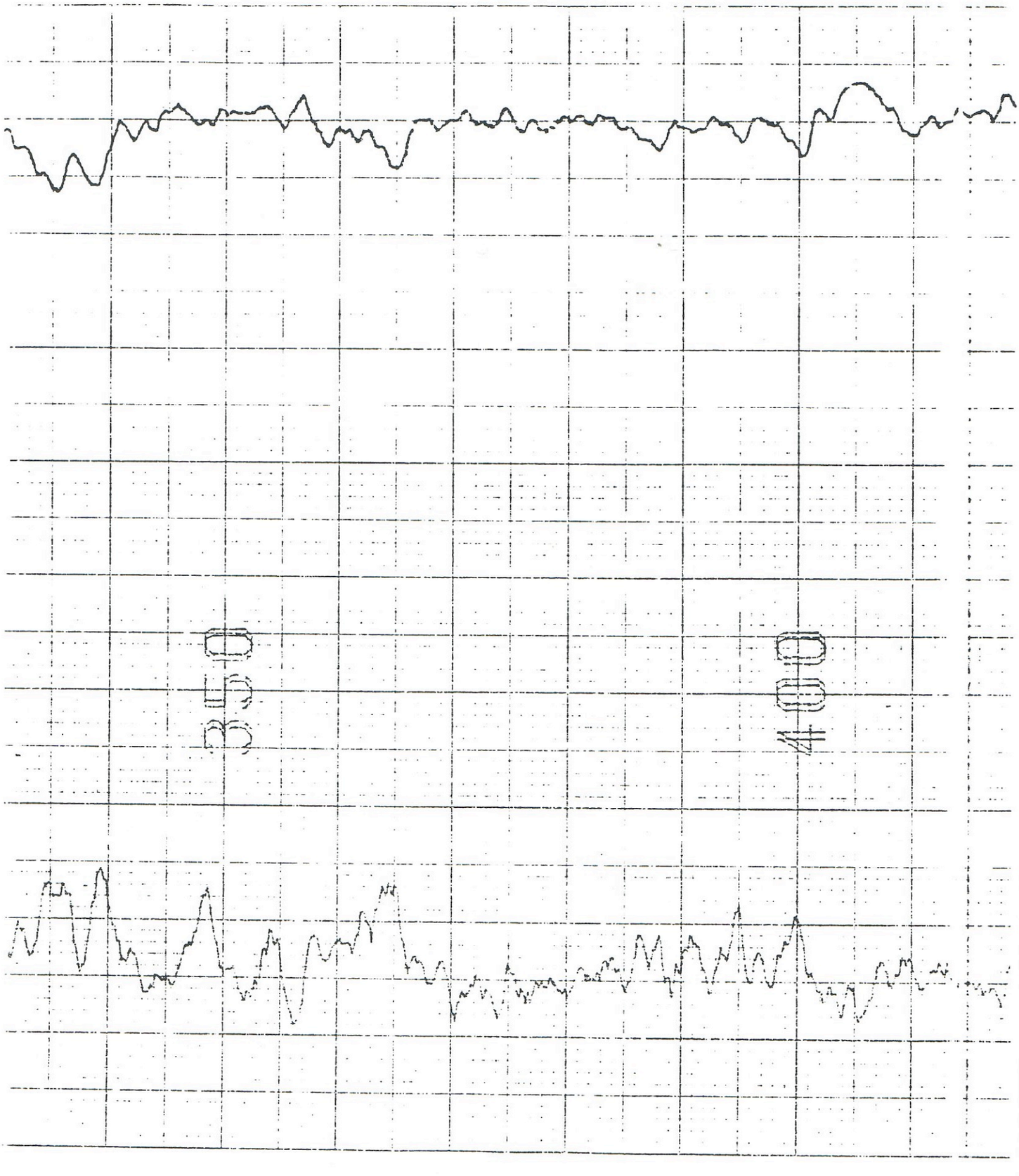

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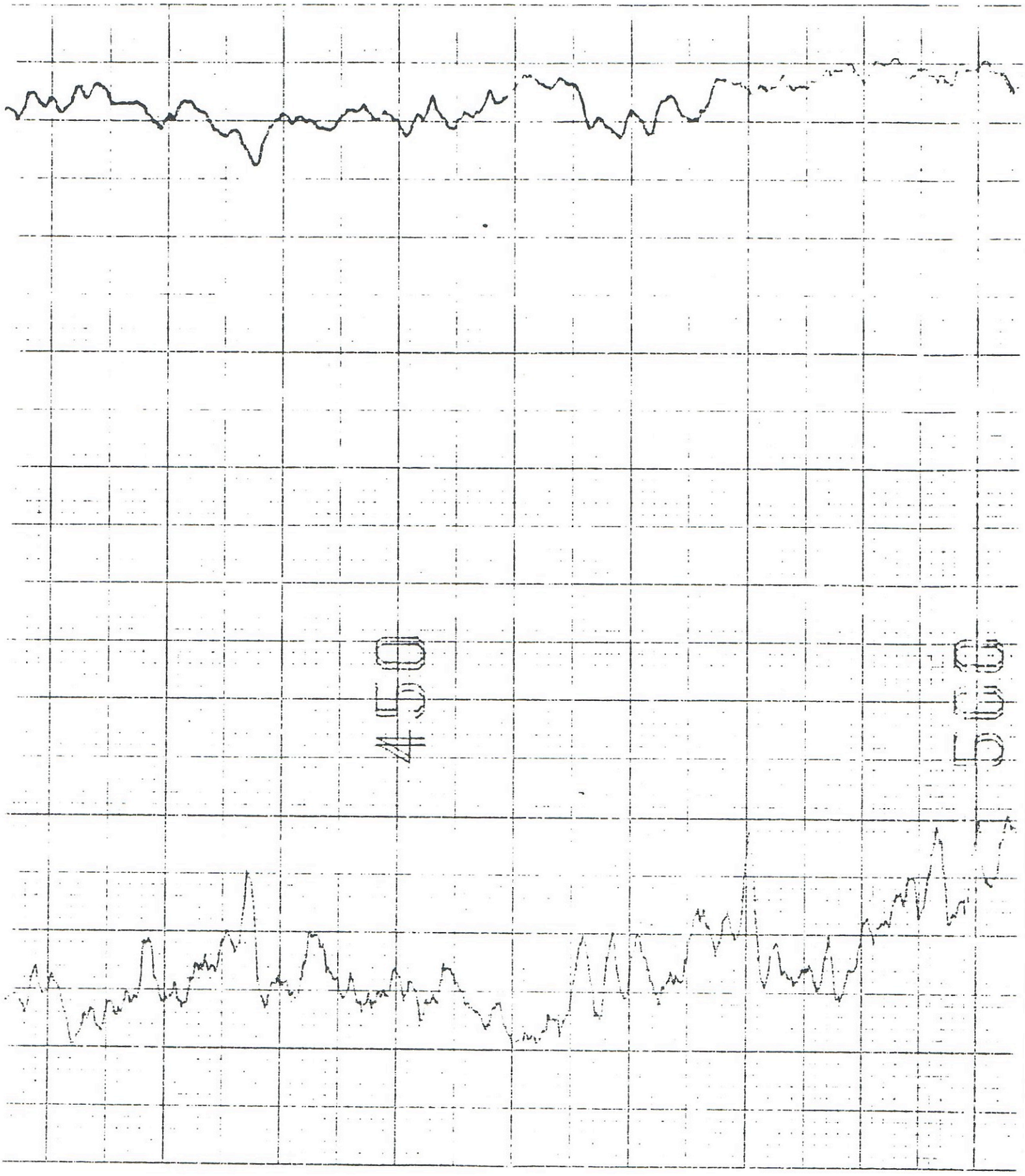

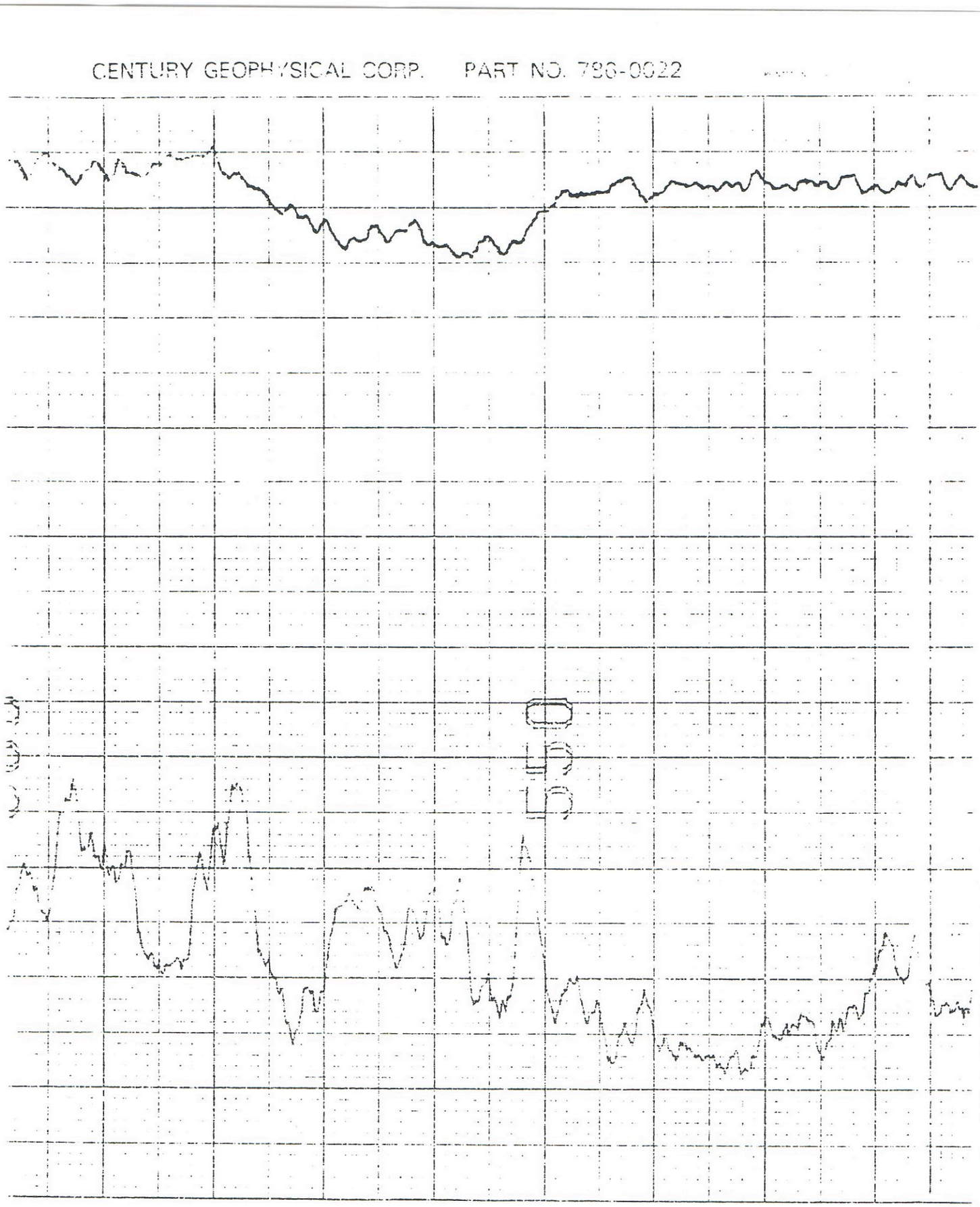
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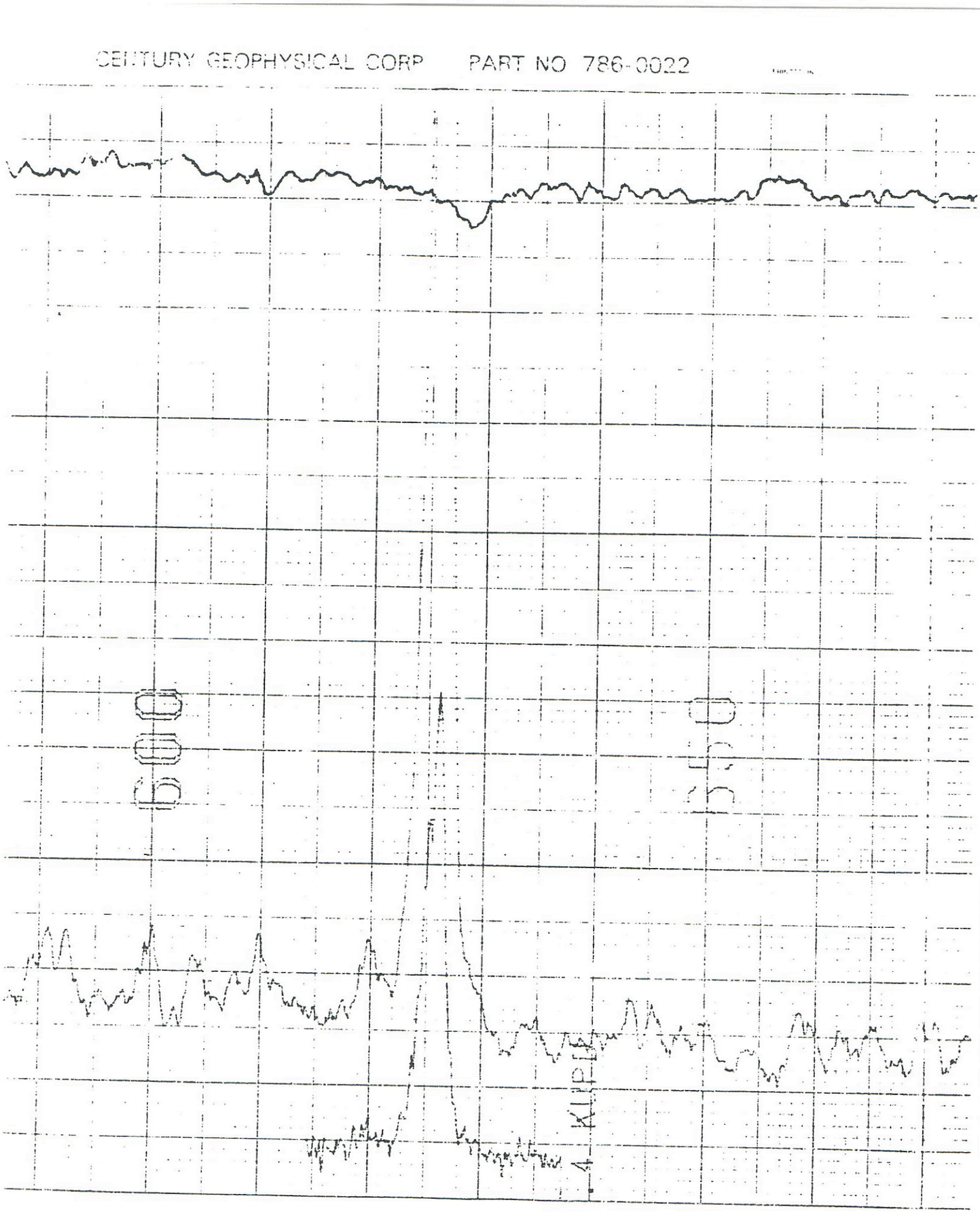
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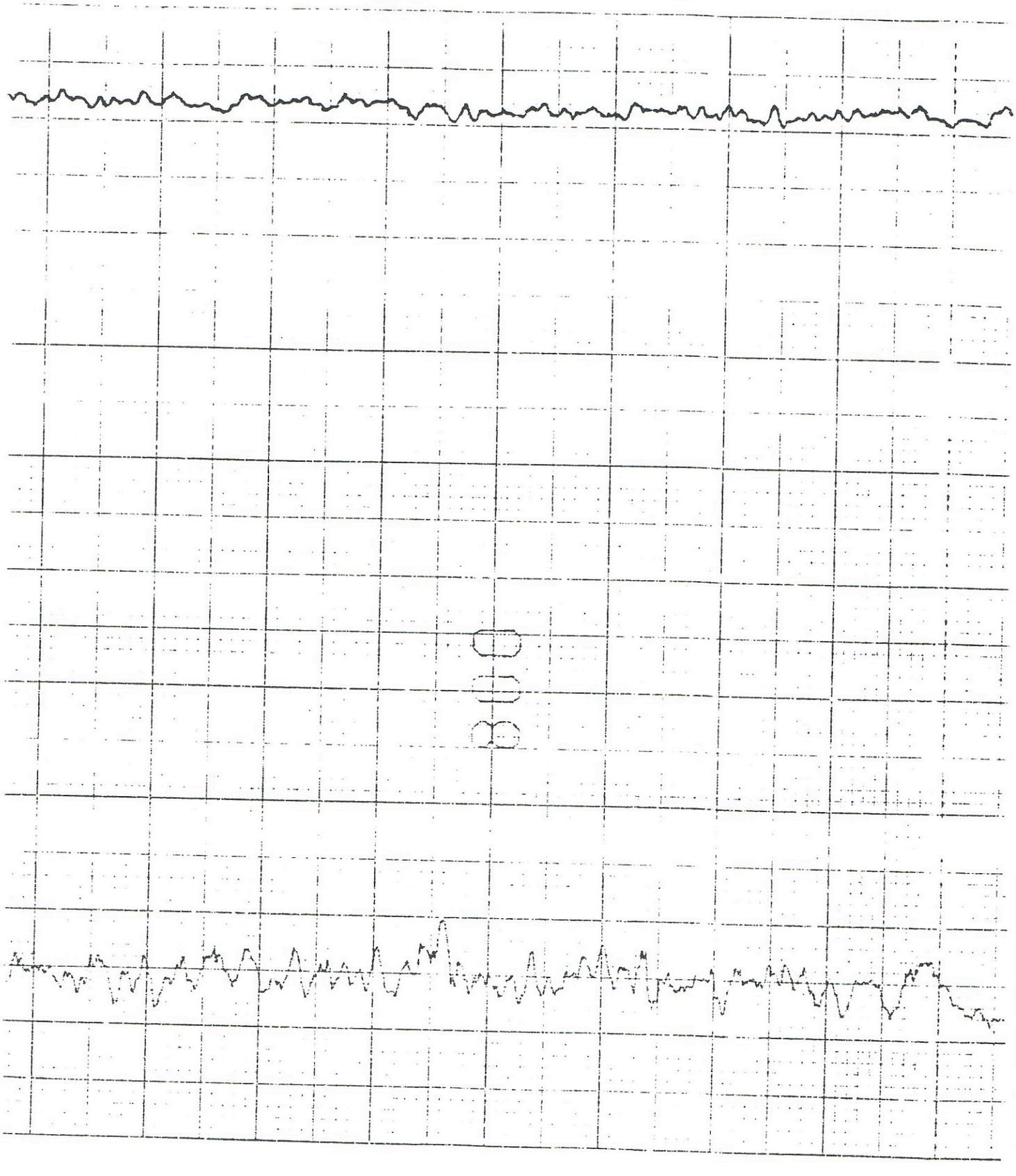

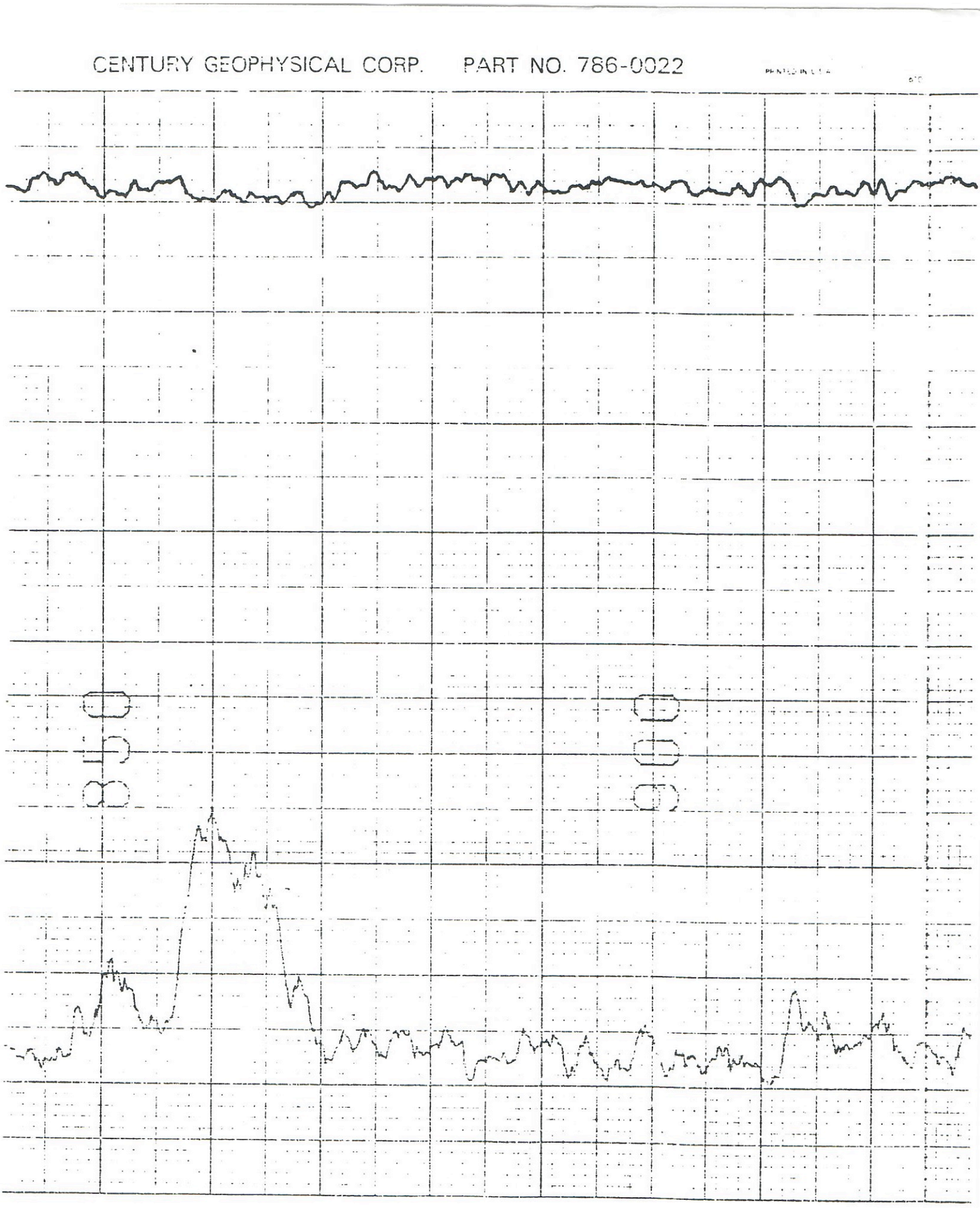
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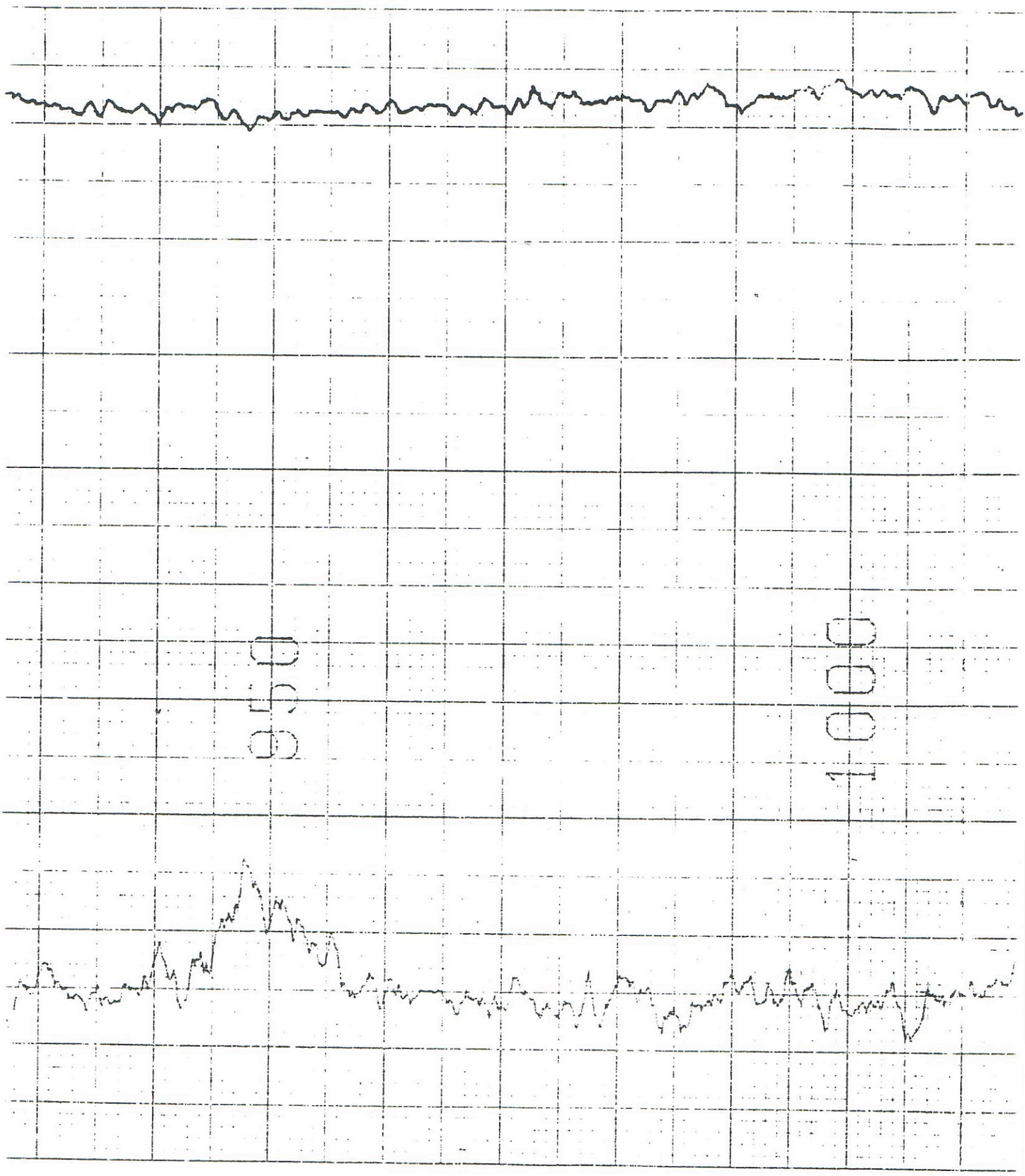

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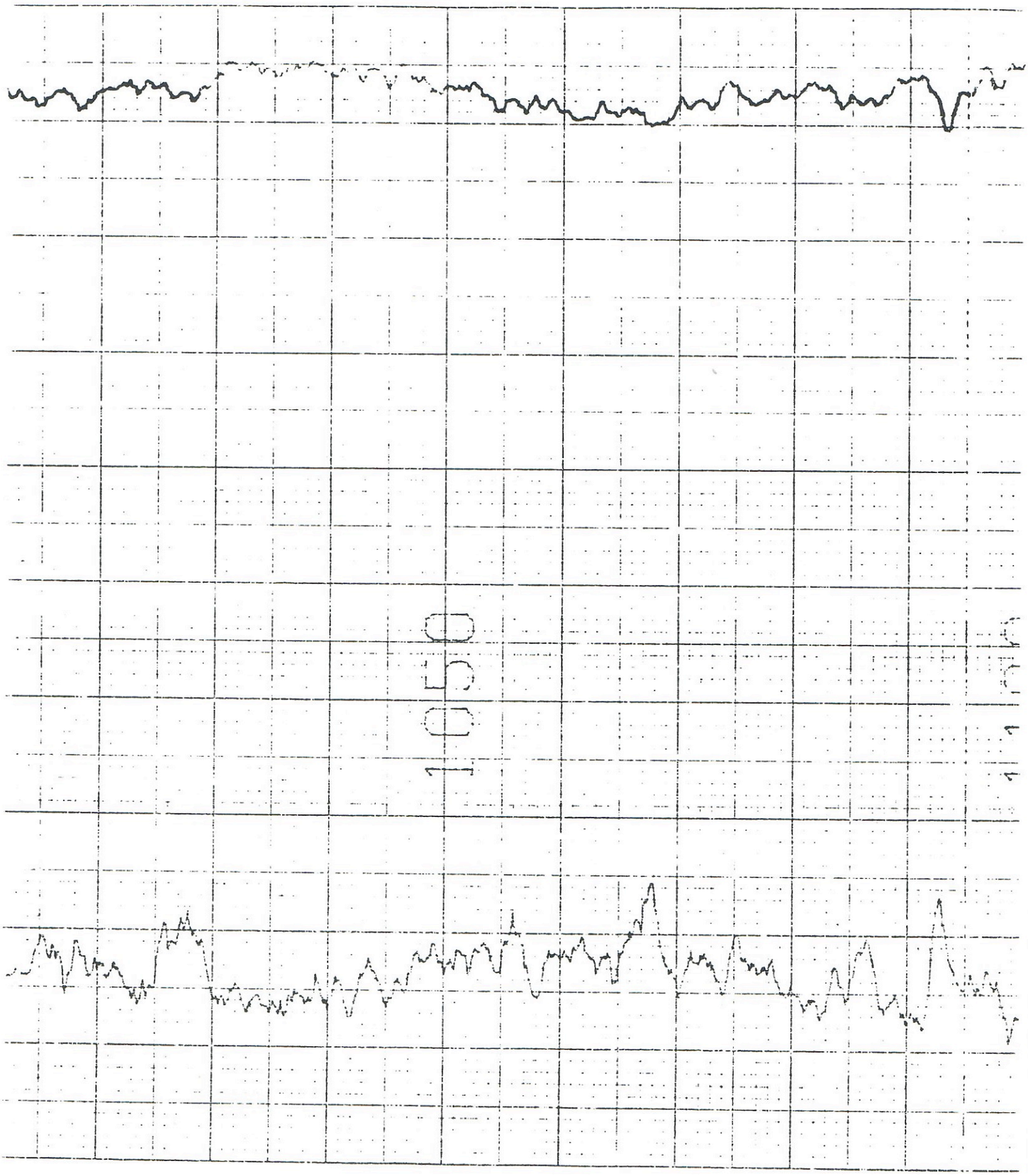

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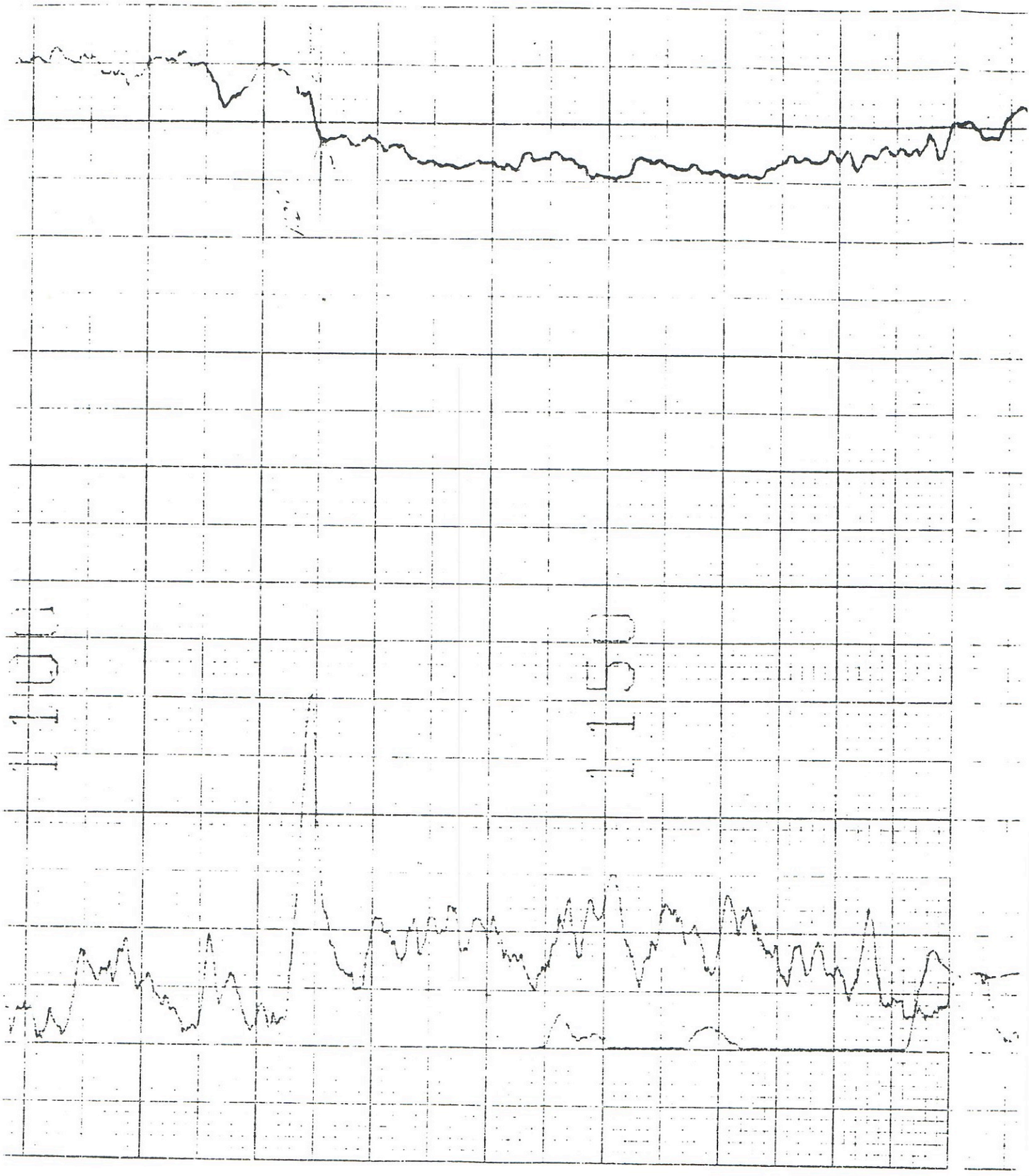

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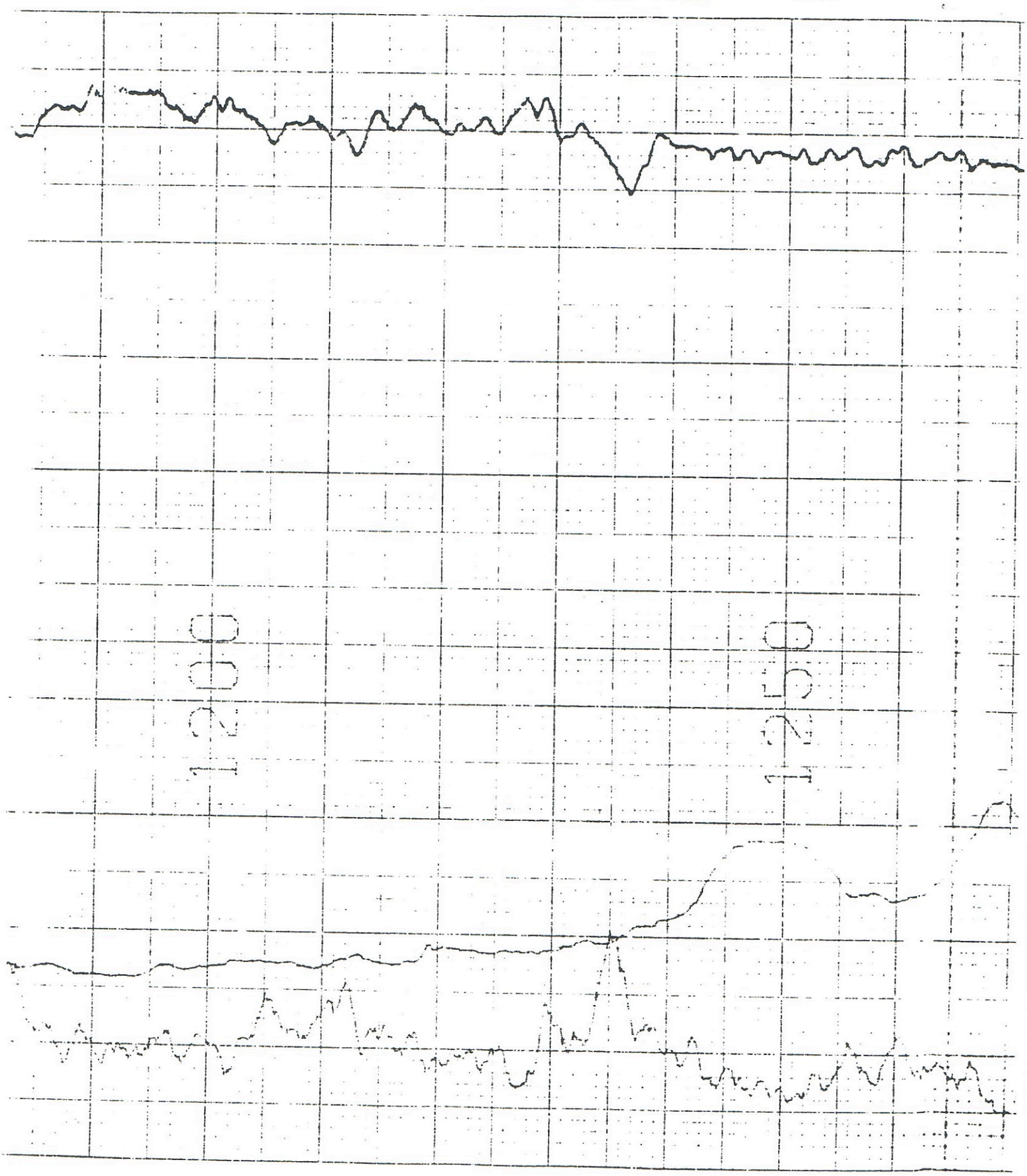

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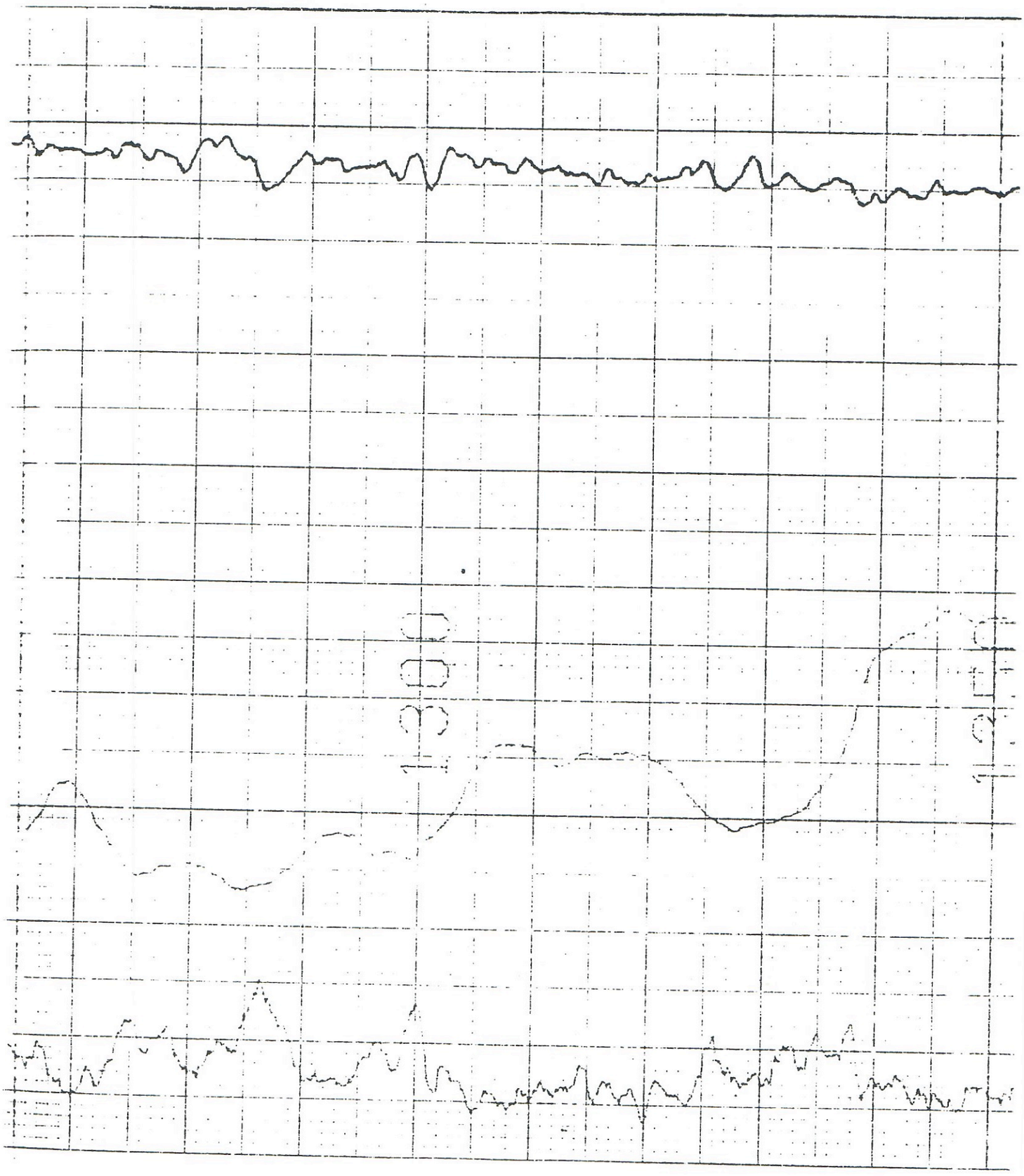

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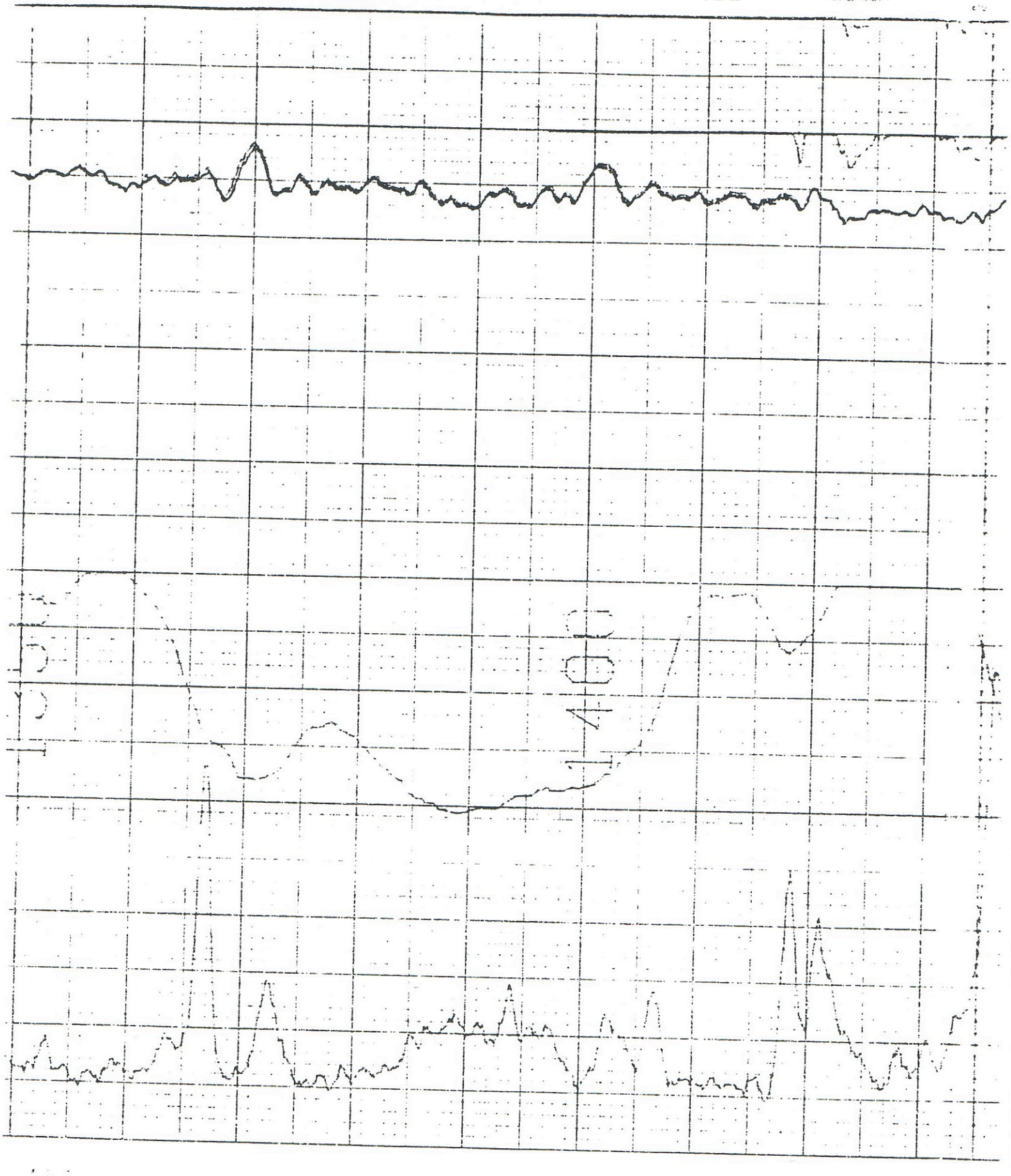

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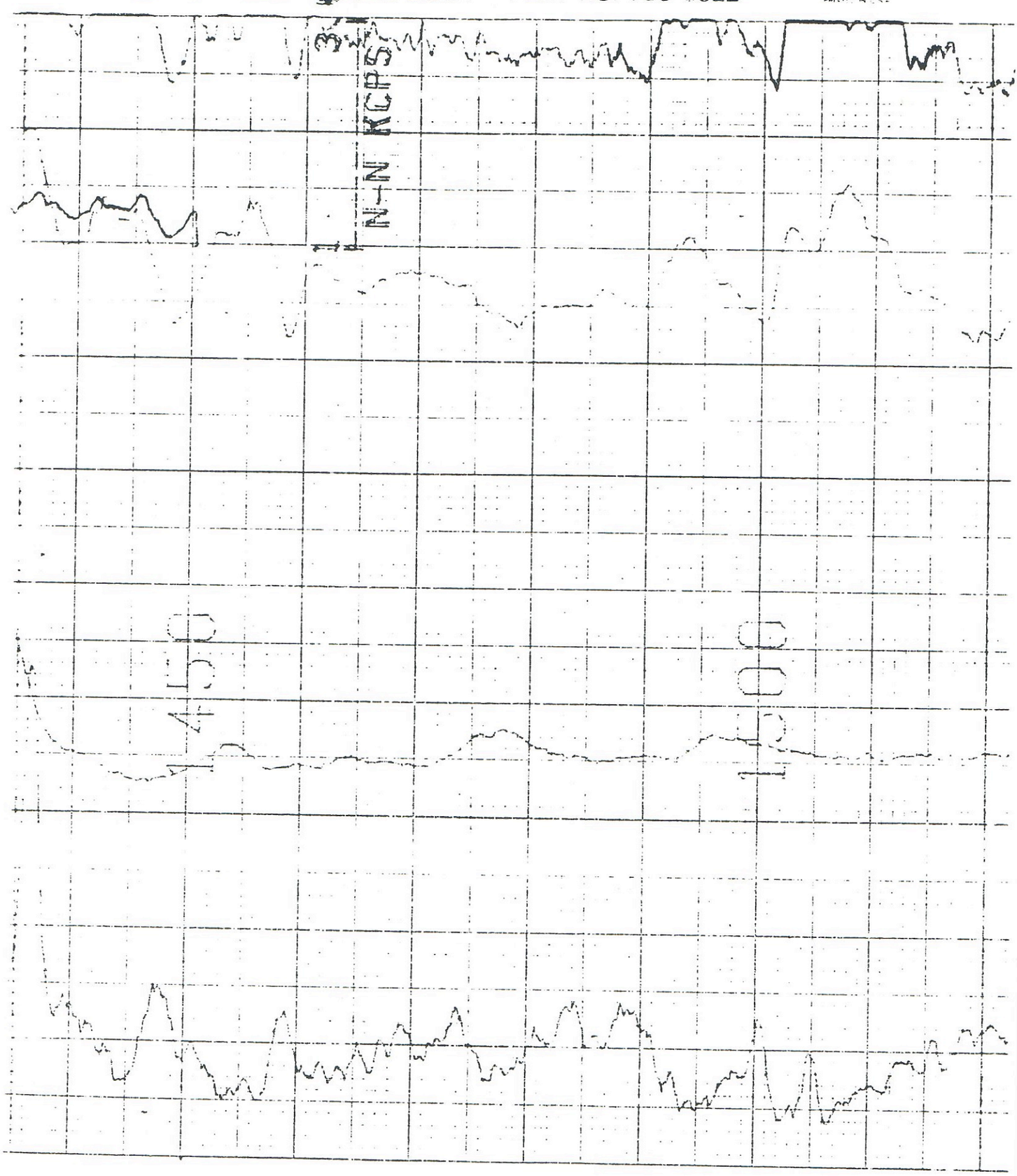

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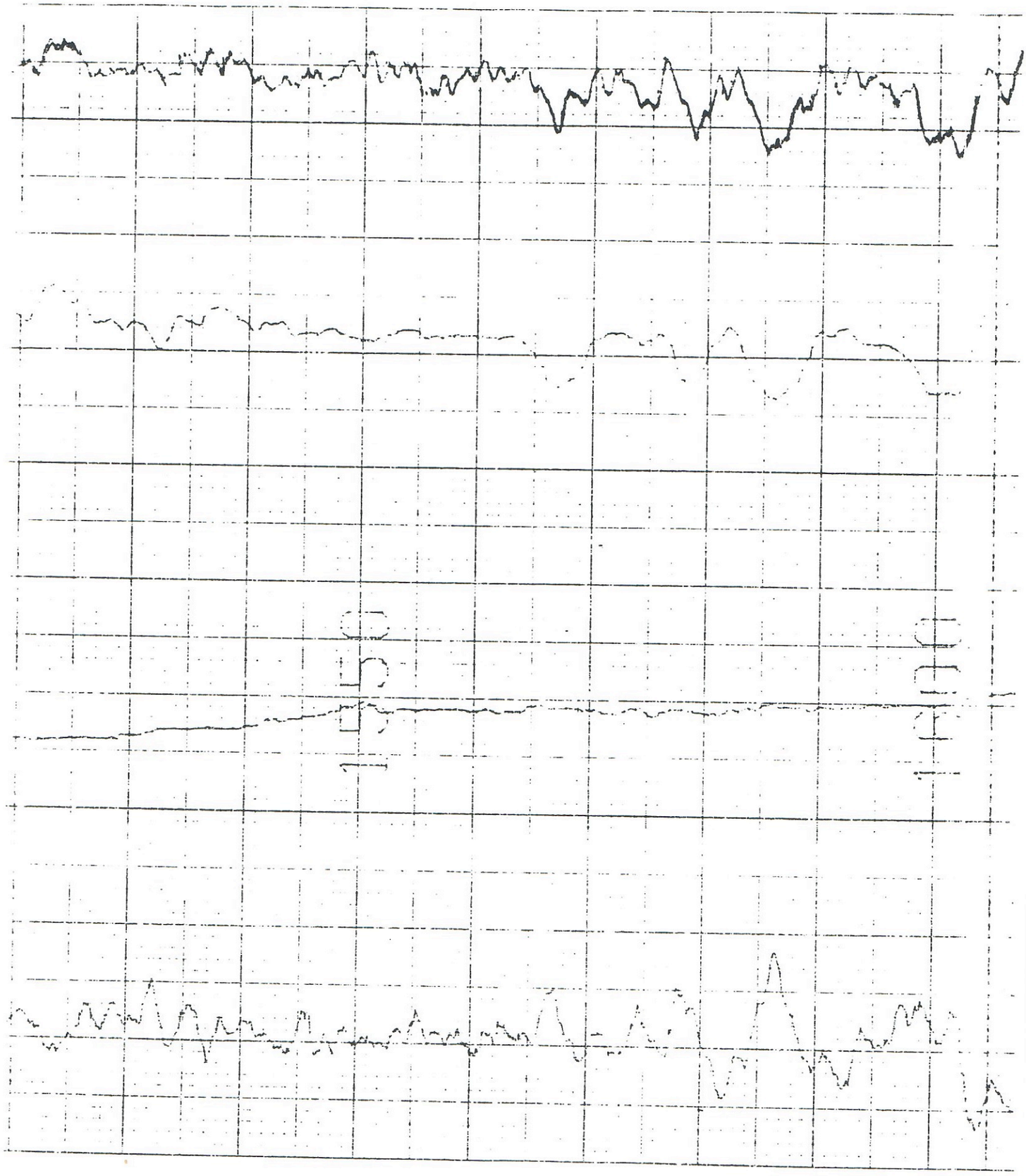

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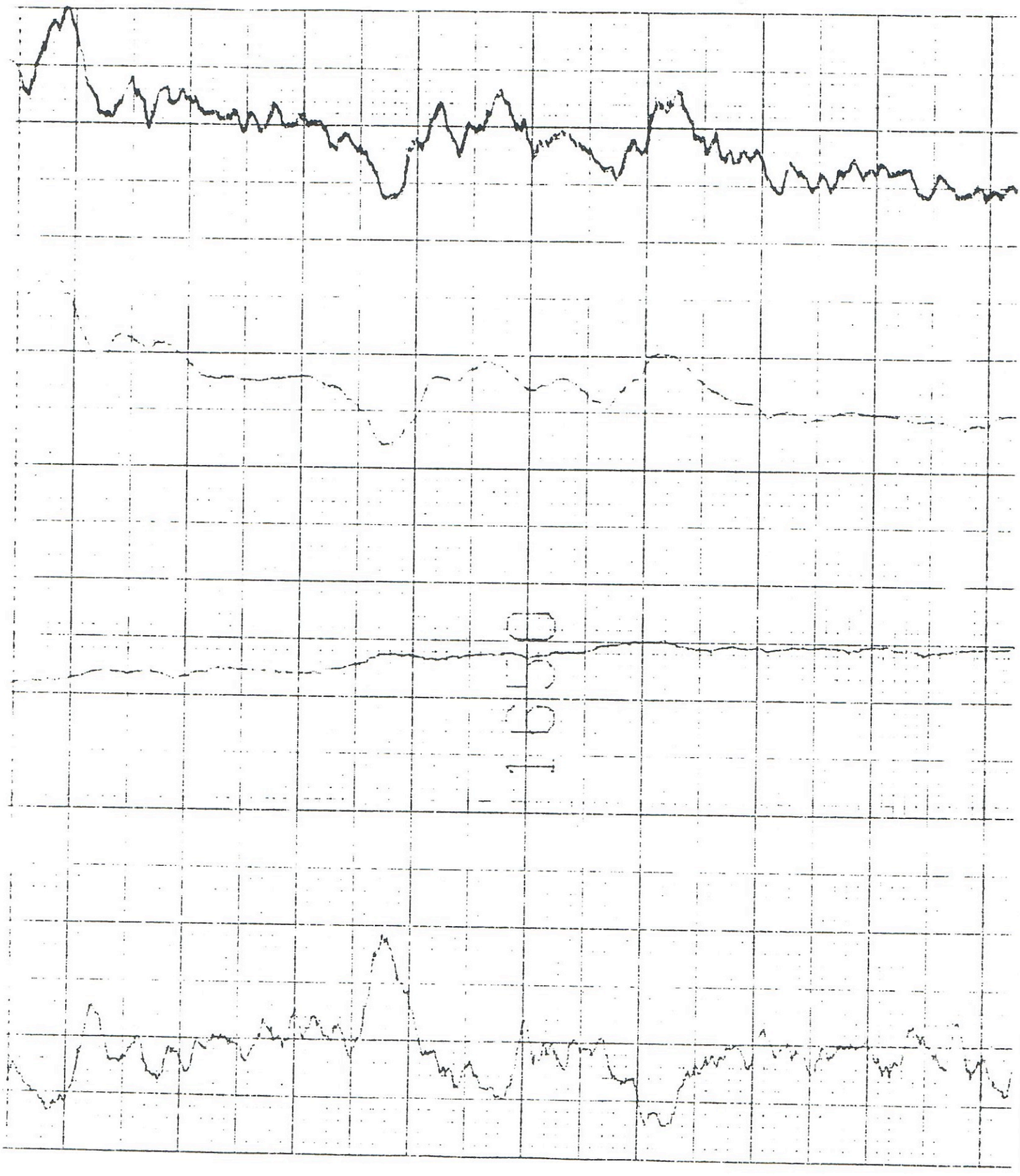

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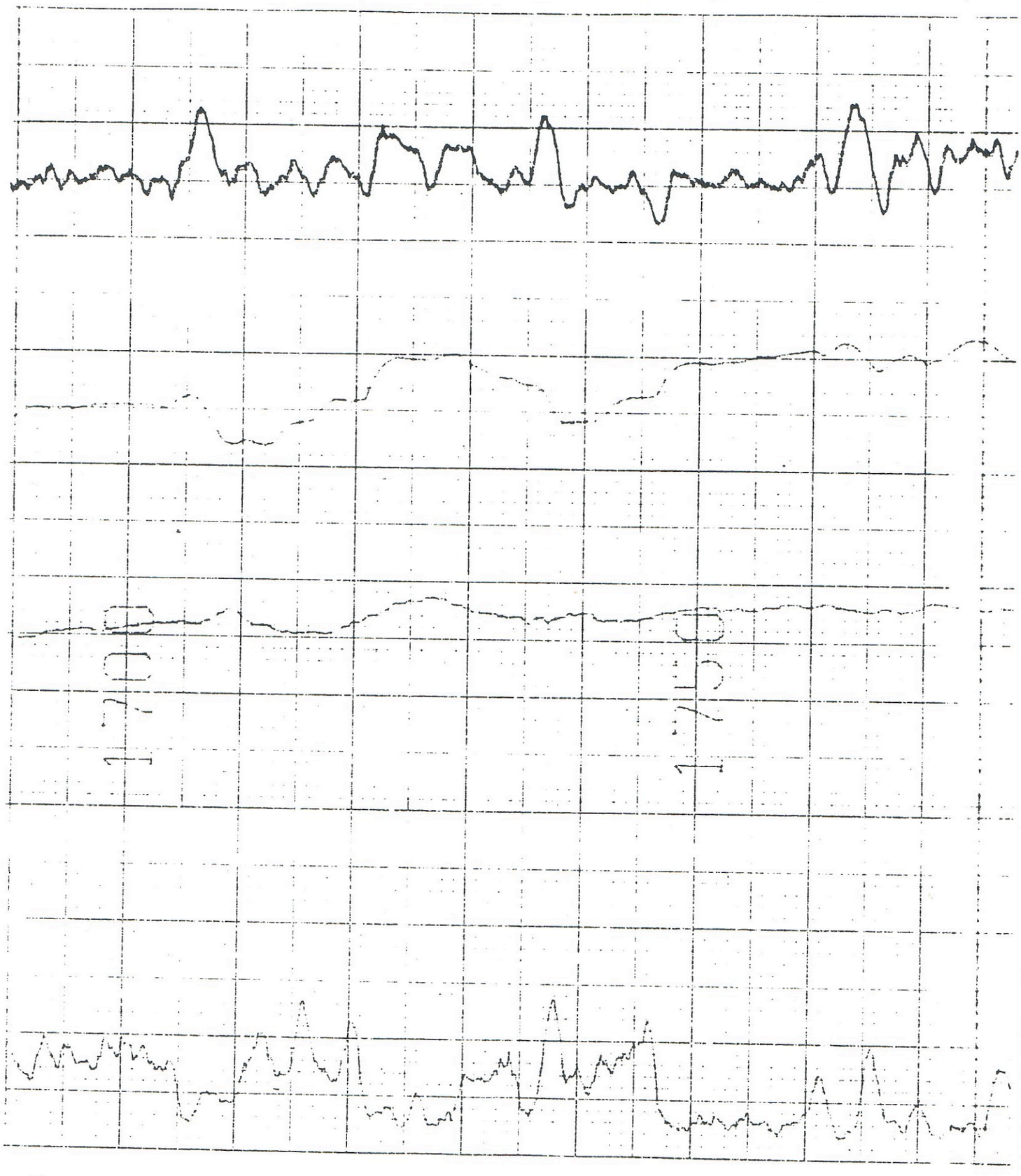

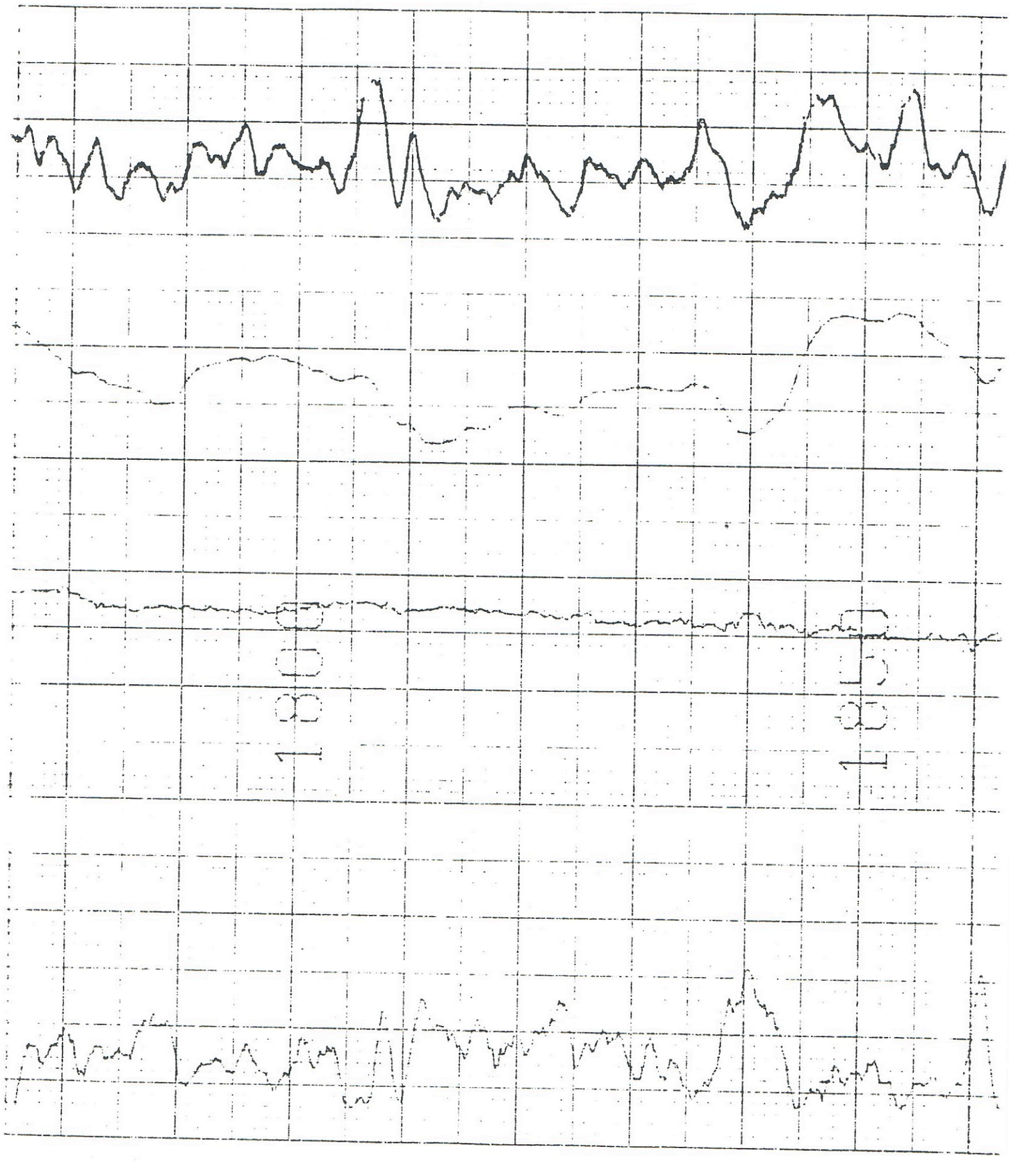
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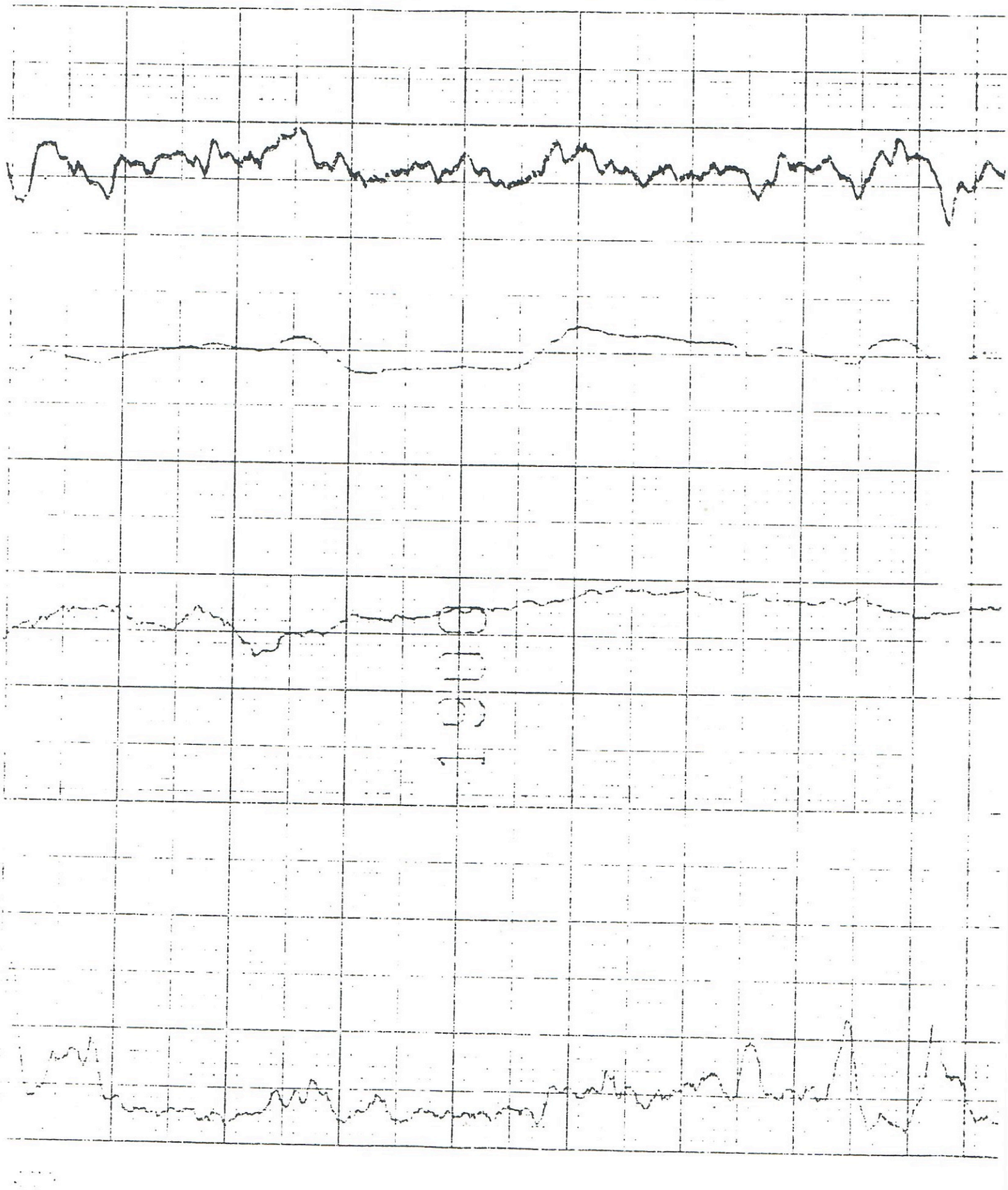

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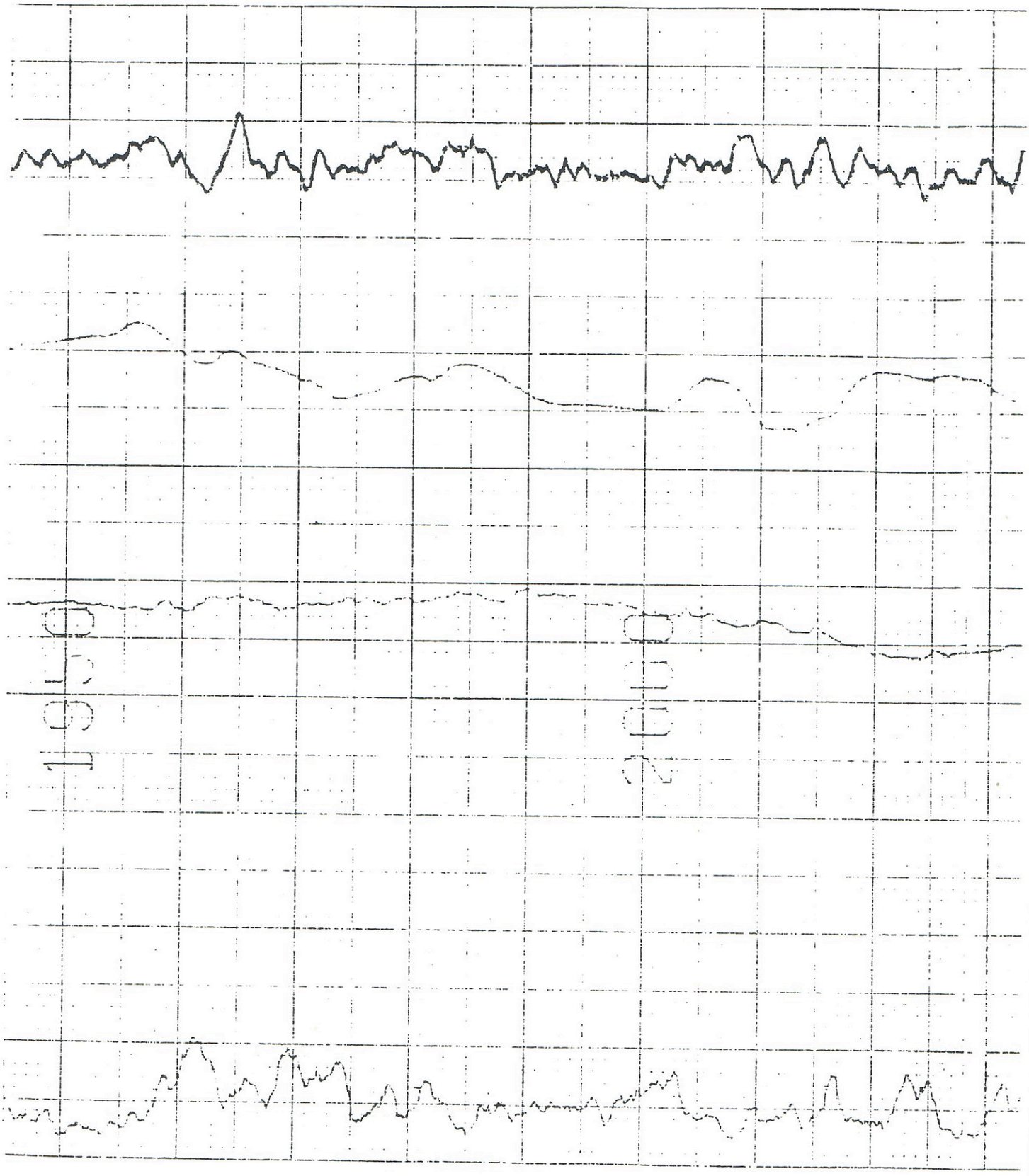

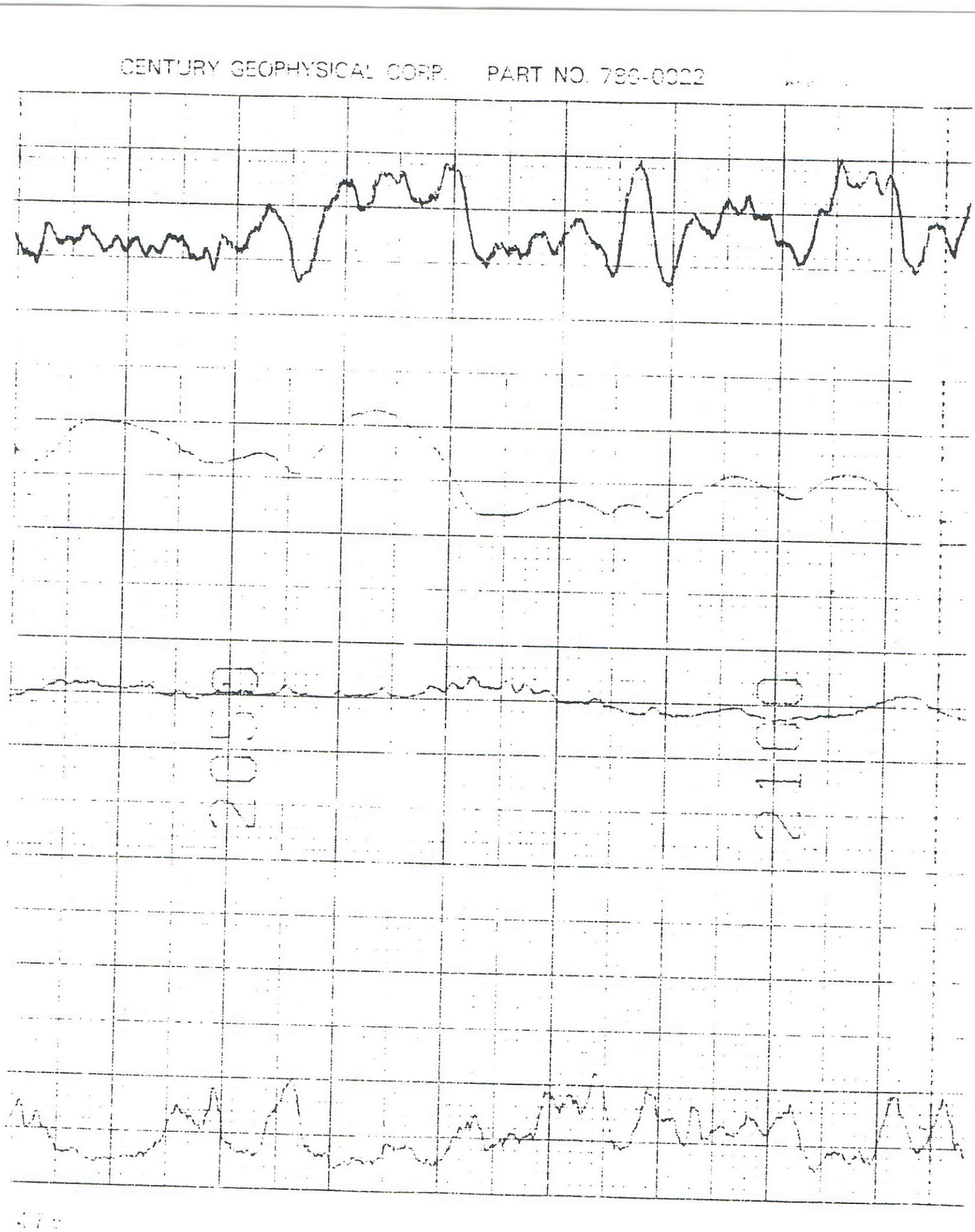
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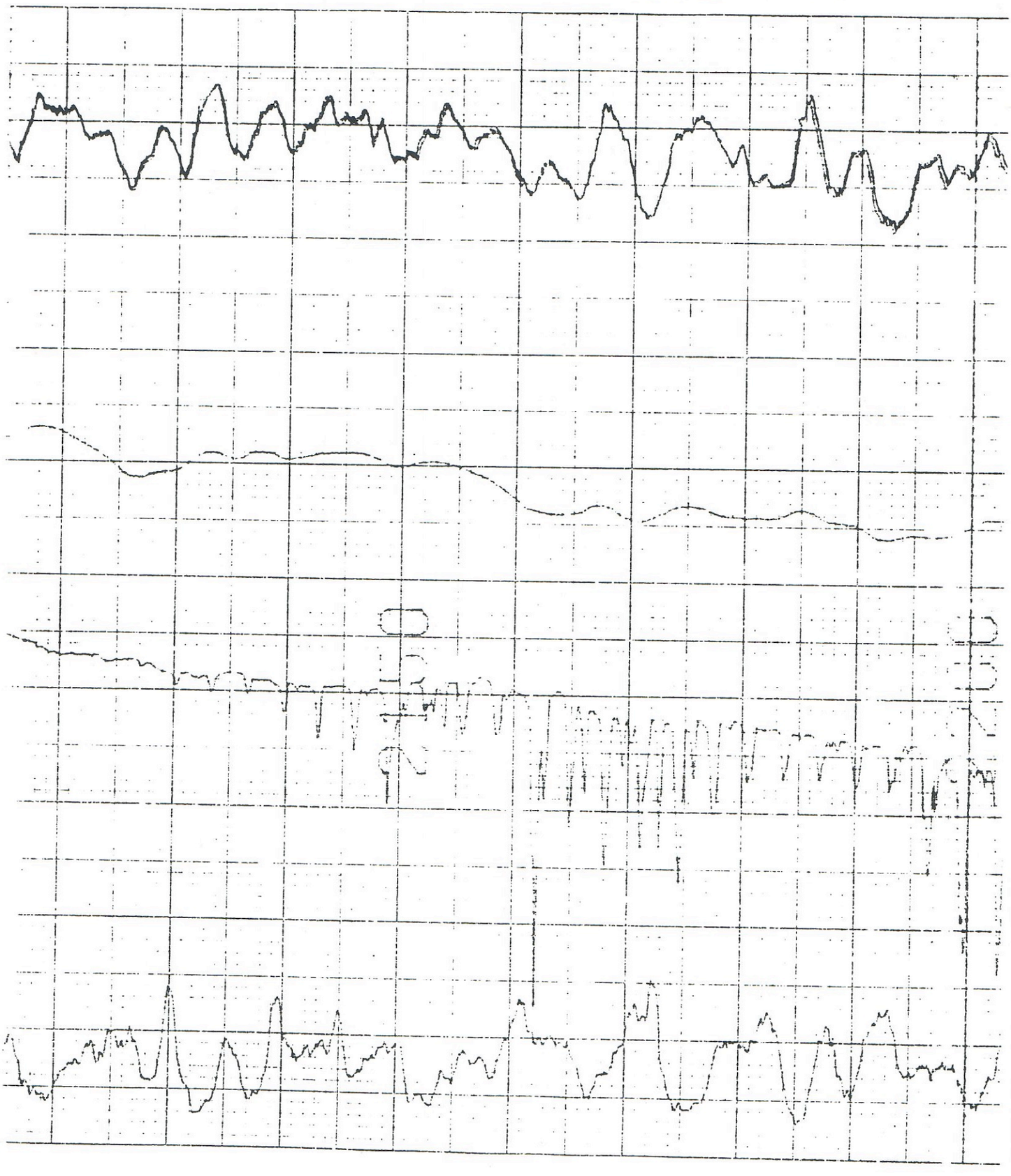

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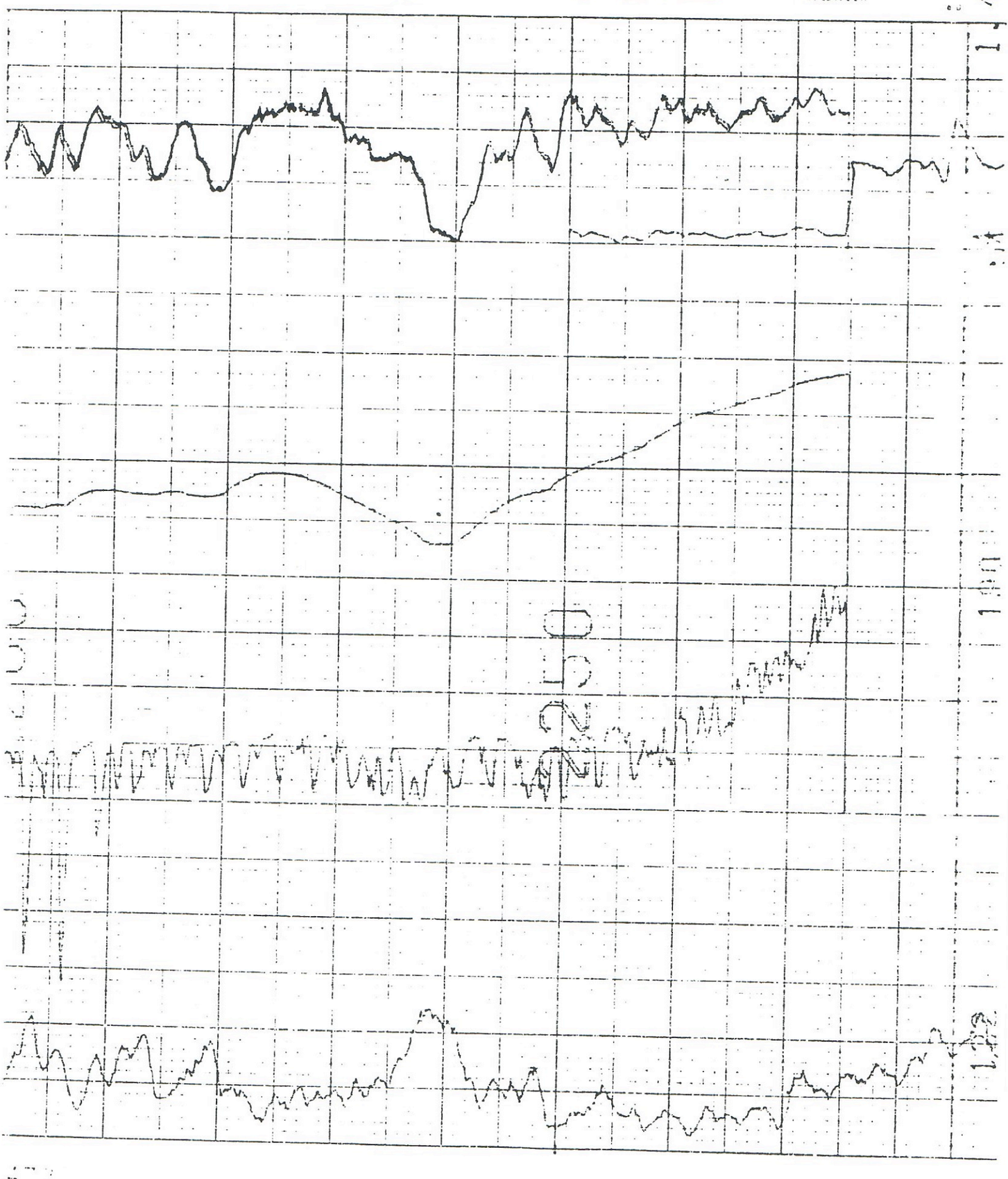

CENTURY GEOPHYSICAL CORP. PART NO. 786-0022

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RESISTANCE OHMS

CENTURY GEOPHYSICAL CORP. PART NO. 786-0022

CENTURY GEOPHYSICAL CORP. PART NO. 786-0022

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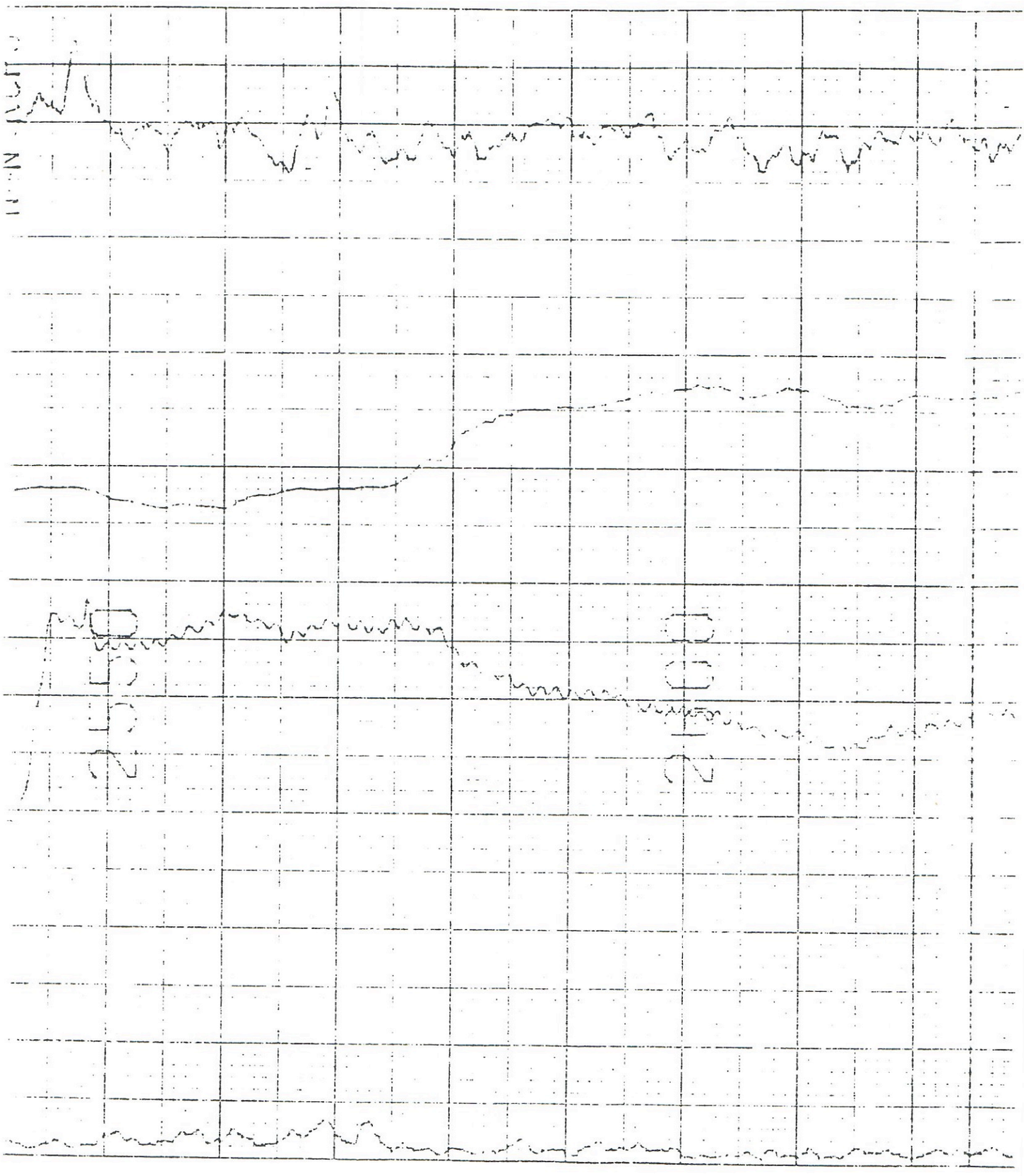

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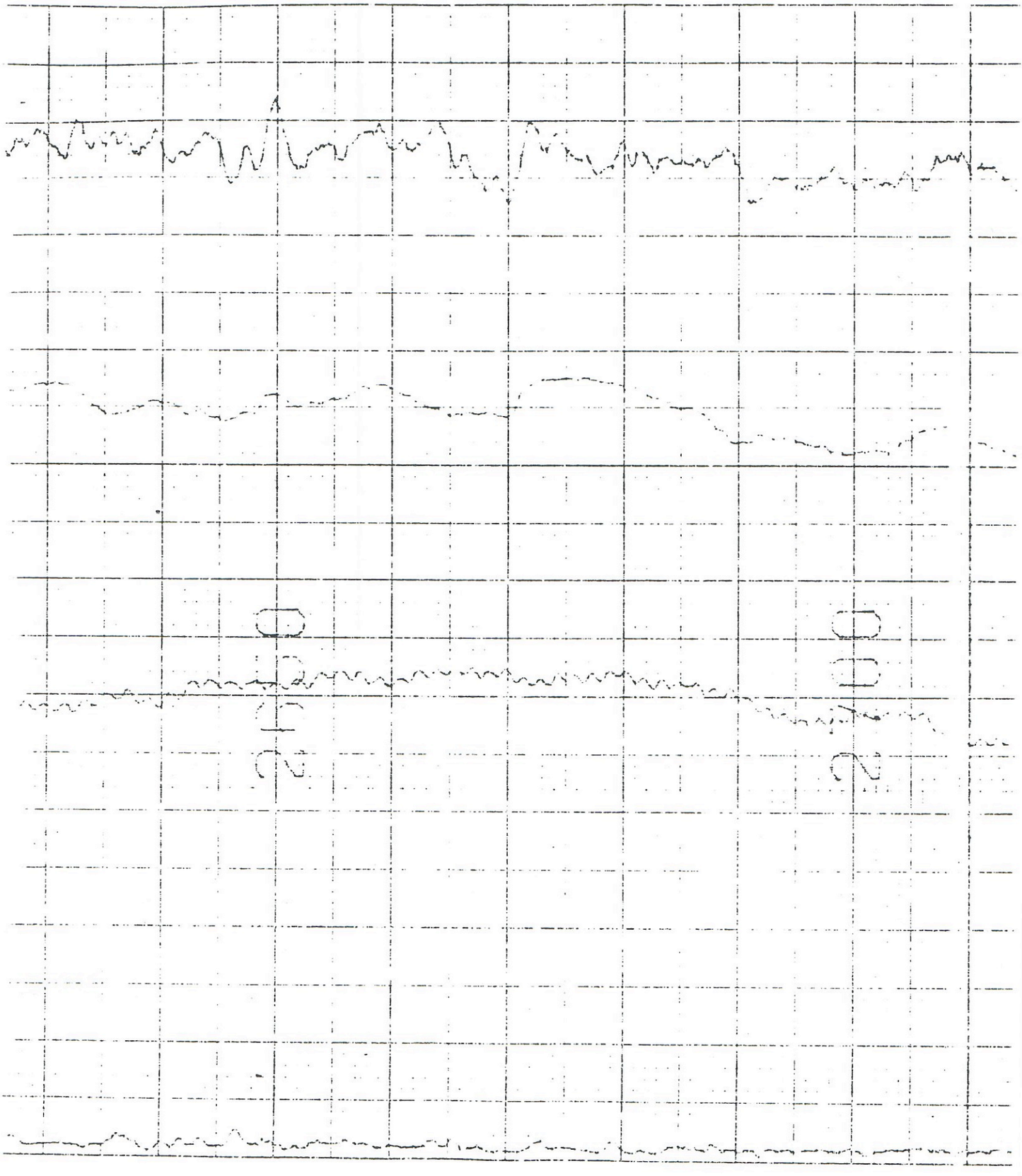

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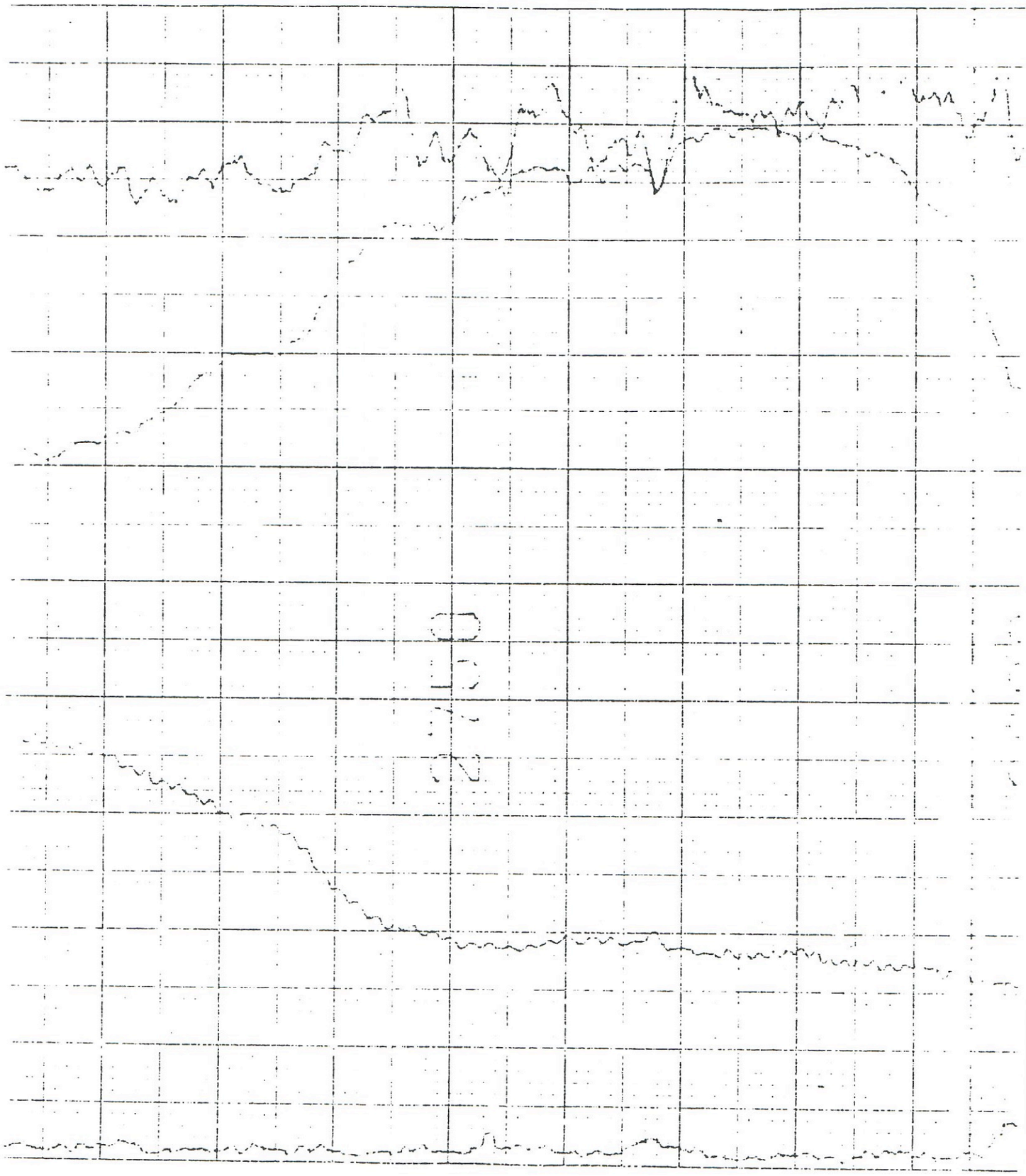

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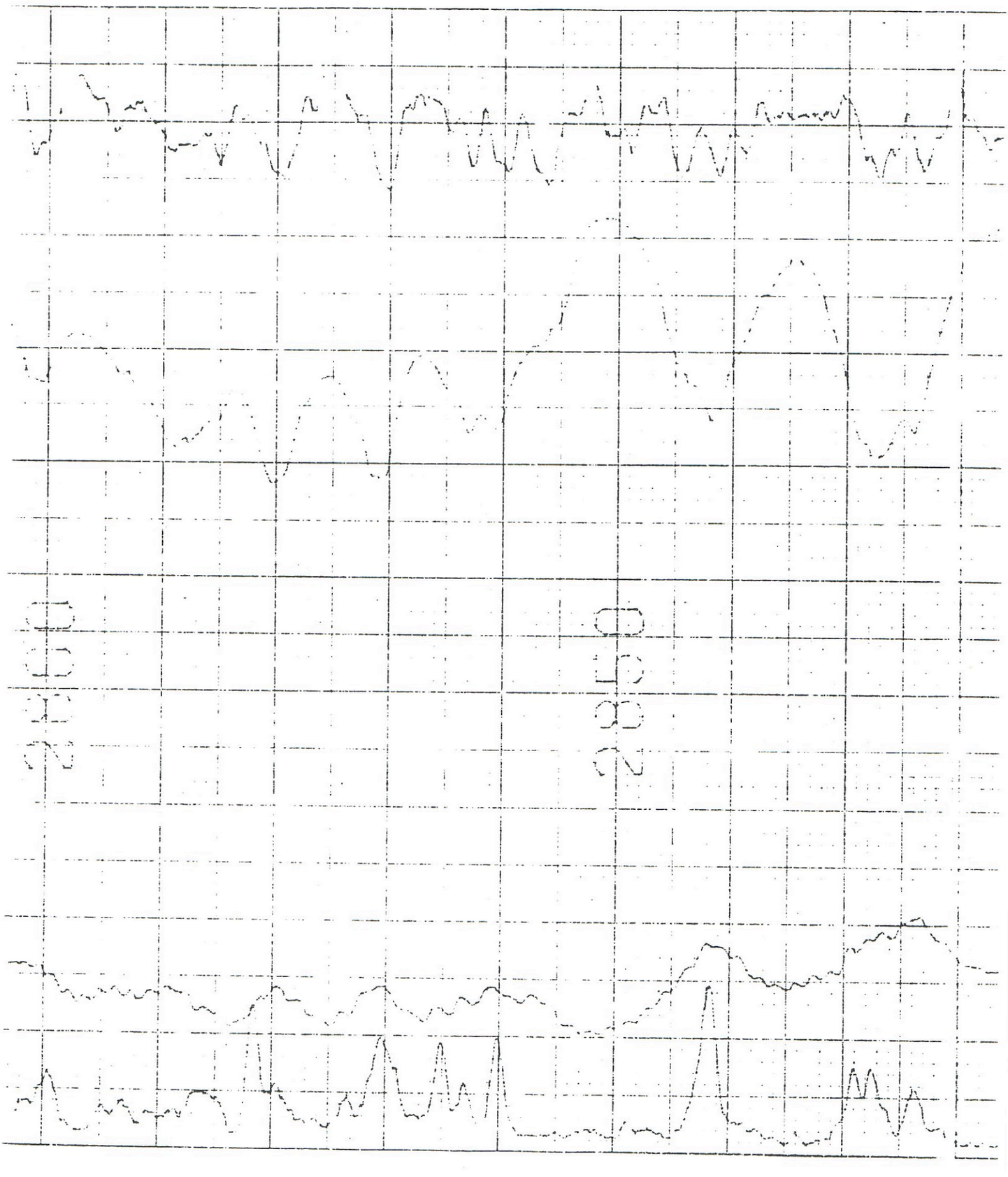

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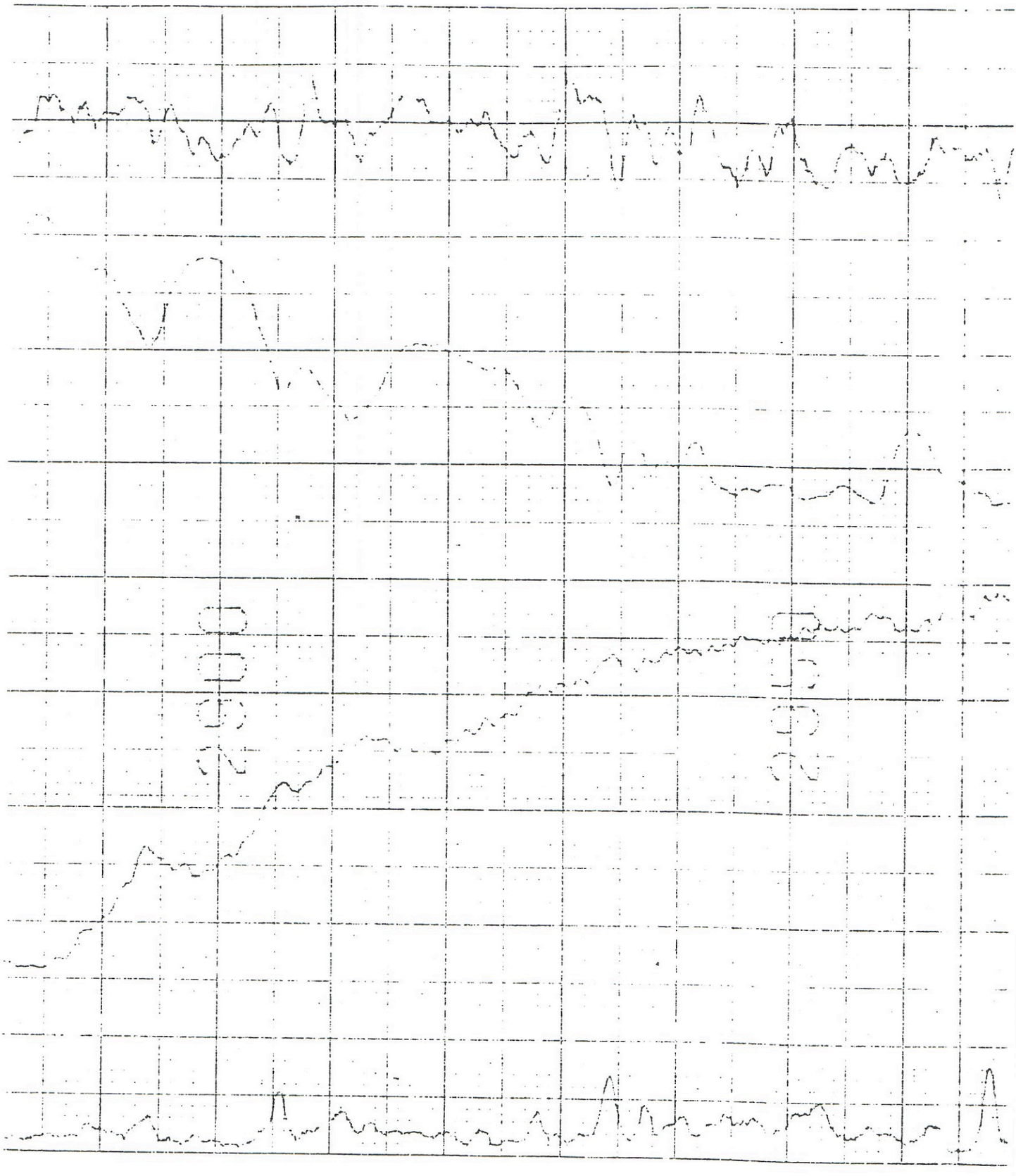

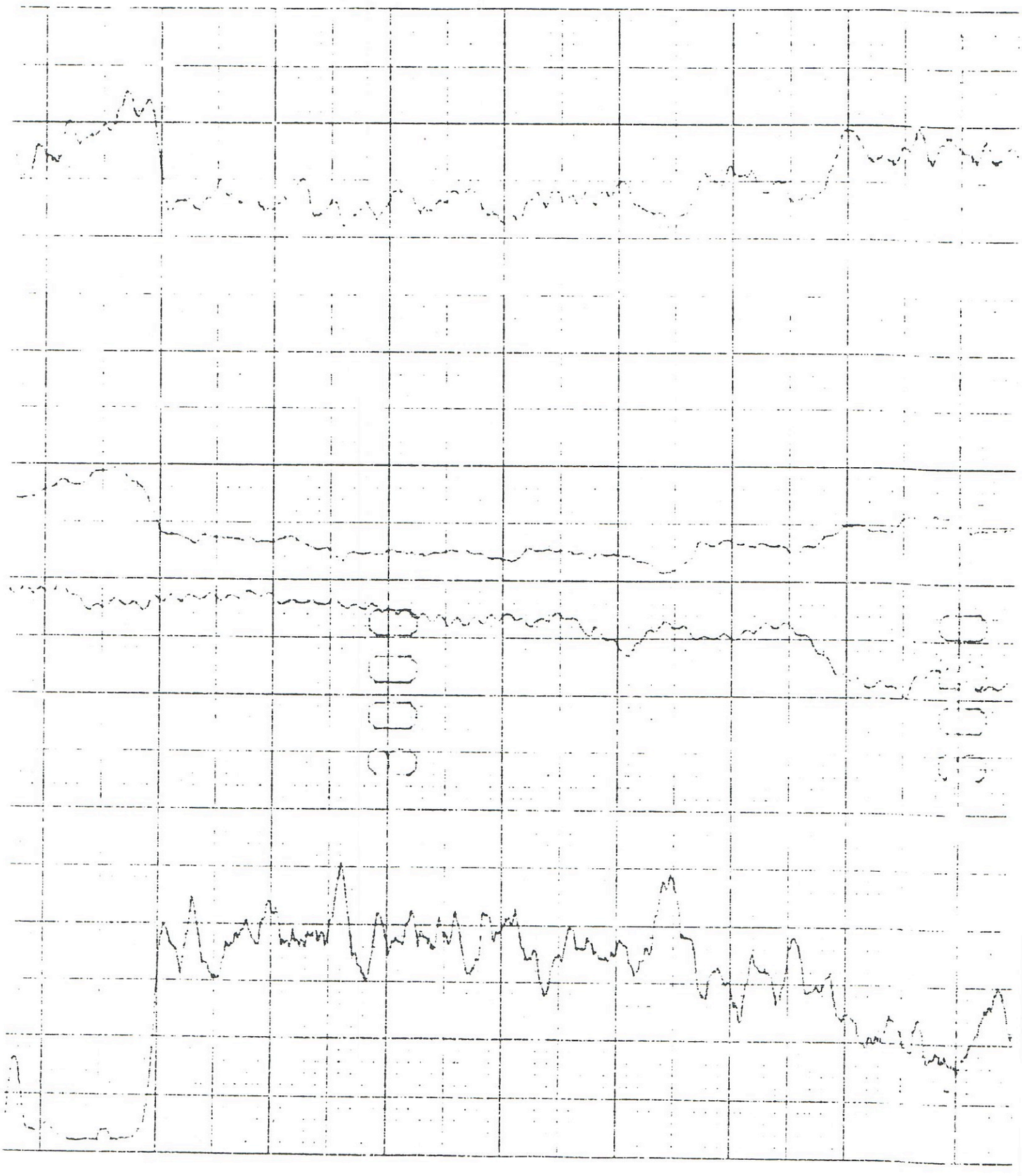
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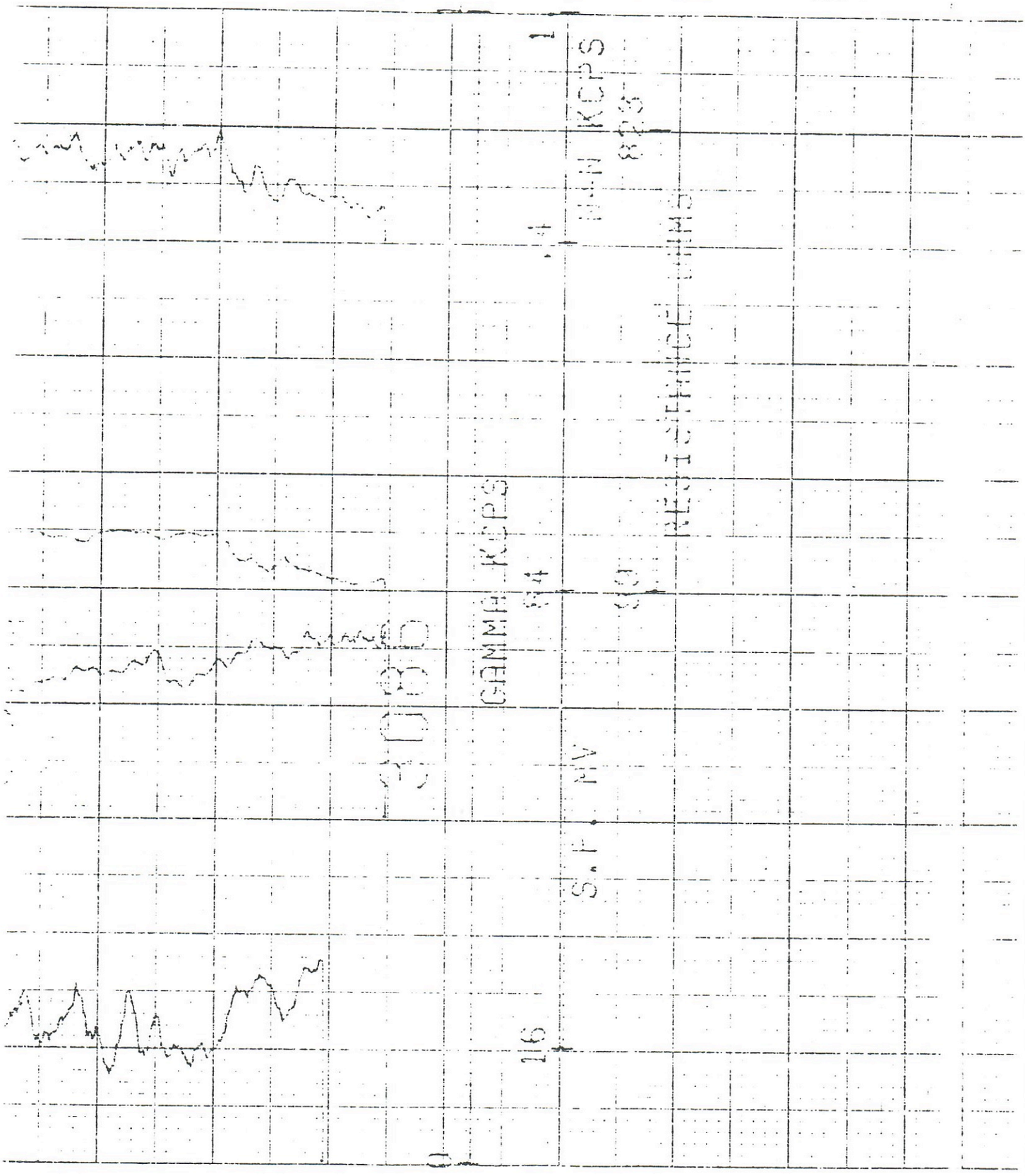
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